Canadian Intellectual Property Office
An Agency of Industry Canada

Office de la propriété intellectuelle du Canada
Un organisme d'Industrie Canada

ISSN-1712-4034

The Patent Office Record

La Gazette du Bureau des brevets

Vol. 146 No. 6 February 6, 2018 Vol. 146 No. 6 le 6 février 2018

Canada

CIPO OPIC

THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle
Commissioner of Patents

Johanne Bélisle
Commissaire aux brevets

The Canadian Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Gatineau, Canada, to whom all communications should be addressed.

The Canadian Intellectual Property Office does not guarantee the accuracy of this publication, nor undertake any responsibility for errors or omissions or their consequences.

La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Gatineau, Canada, à qui doit être adressée toute correspondance.

L'Office de la propriété intellectuelle de Canada ne garantit pas l'exactitude de la présente publication et ne se rend responsable d'aucune erreur ou omission ou de leurs conséquences.

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

Dates
All dates appearing in the patent headings of this publication follow the form recommended by the International Standards Organization. The four digits on the left represent the years followed by two digits each for the months and the days. For example, January 02, 1999 will be shown as 1999-01-02.

Code Numerals
The numerals within the brackets in the patent headings are INID codes. "INID" is an acronym for "Internationally agreed Numbers for the Identification of Data". These codes are utilized to identify patent bibliography as recommended by the Permanent Committee on Industrial Property Information (PCIPI) under the administration of the World Intellectual Property Organization (WIPO) based in Geneva, Switzerland.

The INID Codes and their corresponding definitions of bibliographic data elements are as follows:

[11] - Number of Patent document
[13] - Kind-of-document code
[21] - Number assigned to the Application
[22] - Date of Filing Application or
[22] - Date of filing of related divisional application
[25] - Language in which the published application was originally filed
[30] - Data relating to priority under the Paris Convention

[41] - Open to Public Inspection Date
[45] - Date of Issue
[48] - Correction Date (Re-Issued, Re-Examined)
[51] - International Classification
[52] - Domestic Classification
[54] - Title of Invention
[60] - Related by Supplementary Disclosure
[62] - Related by Division
[64] - Related by Reissue
[71] - Name(s) of Applicant(s)
[72] - Name(s) of Inventor(s)
[73] - Name(s) of Grantee(s)
[85] - National Entry Date
[86] - PCT International Filing Data
[87] - PCT International Publication data

Avis

1. Dates et chiffres de code figurant à l'entête des brevets

Dates
Toutes dates figurant aux entêtes des brevets de cette publication suivent la forme recommandée par l'Organisation des normes internationales. Les quatre chiffres de gauche représentent les années et sont suivis, vers la droite, de deux autres chiffres chacun, pour les mois et les jours. Le 2 janvier 1999, par exemple, sera représenté par 1999-01-02.

Chiffres de code
Les chiffres à l'intérieur des parenthèses aux entêtes des brevets sont des codes INID. Le sigle « INID » signifie « Identification numérique internationale des données bibliographiques » Ces codes sont utilisés pour l'indentification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCIPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), sise à Genève, Suisse.

Les codes INID accompagnés des définitions des données bibliographiques correspondantes sont comme suit :

[11] - Numéro du brevet
[13] - Désignation du type de document
[21] - Numéro attribué à la demande
[22] - Date du dépôt de la demande ou
[22] - Date du dépôt de la demande divisionnaire apparentée
[25] - Langue dans laquelle la demande publiée a été initialement déposée
[30] - Données relatives à la priorité selon la Convention de Paris
[41] - Date de mise à la disponibilité du public
[45] - Date de délivrance
[48] - Date de correction (Redélivrance, Réexamen)
[51] - Classification internationale
[52] - Classification nationale
[54] - Titre de l'invention
[60] - Apparenté par divulgation supplémentaire
[62] - Apparenté par division
[64] - Apparenté par redélivrance
[71] - Nom(s) du (des) demandeur(s)
[72] - Nom(s) de(s) l'inventeur(s)
[73] - Nom(s) du (des) titulaire(s)
[85] - Date d'entrée en phase nationale
[86] - Données du dépôt international selon le PCT
[87] - Données de publication internationale selon le PCT

2. Country Code

The Country Codes appearing in this publication conform to those contained in annex A of the *Handbook on Industrial Property Information and Documentation* published by the World Intellectual Property Organization (WIPO). This document is accessible from a link entitled Standards ST-3 on the List of WIPO Standards, Recommendations and Guidelines (Abbreviated Titles) located on the WIPO Web site: (www.wipo.int/scit/en/standards/standards.htm).

2. Code des pays

Les Codes des pays qui se trouvent dans cette publication sont conformes à ceux dans l'annexe A du *Manuel sur l'information et la documentation en matière de propriété industrielle* publié par l'Organisation Mondiale de la Propriété Intellectuelle (OMPI). Ce document est accessible à partir de l'hyperlien intitulé Normes ST-3 dans la Liste des normes, recommandations et principes directeurs de l'OMPI (Titres abrégés) qui se trouve au site Web de l'OMPI: (www.wipo.int/scit/fr/standards/standards.htm).

3. How to Purchase Paper Copies of Canadian Patents and Canadian Applications Open to Public Inspection

Paper copies of all other Canadian Patents and Canadian applications open to public inspection may be purchased at the cost of $1 per page by visiting (www.strategis.ic.gc.ca/patentsorder) or by writing to the Commissioner of Patents, Ottawa-Gatineau, K1A 0C9.

Item 25.1* On requesting copy in electronic form of a document:	N/A
a) for each request	$10
b) plus, for each patent or application to which the request relates	$10
c) plus, if the copy is requested on a physical medium, for each physical medium requested in addition to the first	$10
d) plus, for each additional 10 megabytes or part of them exceeding 7 megabytes	$10

3. Comment acheter des copies sur papier de brevets canadiens et de demandes canadiennes mises à la disponibilité du public

Les copies sur papier de tous les autres brevets canadiens et des demandes canadiennes mises à la disponibilité du public peuvent être achetées au coût de 1 $ par page en visitant notre site Web (www.strategis.ic.gc.ca/brevetscommande) ou en écrivant au Commissaire aux brevets, Ottawa-Gatineau, K1A 0C9.

Article 25.1* Demande d'une copie d'un document sous forme électronique :	S.O.
a) pour chaque demande	10 $
b) pour chaque demande de brevet ou brevet visé par la demande	10 $
c) dans le cas où le document doit être copié sur plus d'un support matériel, pour chaque support matériel additionnel	10 $
d) pour chaque tranche de 10 méga-octets qui excède 7 méga-octets, l'excédant étant arrondi au multiple supérieur	10 $

4. Orders for Patents by Class or Sub-Class

A listing of all patents that have issued in each class or sub-class including both patents in force and expired patents, may be ordered at a price of $1 per page from the Patent Office.

4. Commande de brevets par classe ou sous-classe

Les listes de brevets délivrés dans chaque classe ou sous-classe, incluant les brevets en vigueur et ceux ayant expiré, peuvent être commandées auprès du Bureau des brevets au prix de 1 $ la page.

5. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit upon request from the Commissioner of Patents, Ottawa-Gatineau, Canada K1A 0C9. It is recommended that applicants make use of the services of a registered Patent Agent. A list of Patent Agents in any area of Canada will also be supplied upon request.

5. Conseils relatifs à la préparation de demandes de brevets

Toute personne qui a l'intention de déposer une demande de brevet peut obtenir une trousse d'information sur demande faite au Commissaire aux brevets, Ottawa-Gatineau, Canada K1A 0C9. On recommande aux demandeurs d'avoir recours aux services d'un agent de brevets inscrit au registre. Une liste des agents de brevets dans n'importe quelle région du Canada sera également fournie sur demande.

6. Licensing of Patents

Voluntary Licences

Persons desiring to use, make or sell an invention patented in Canada should negotiate terms with the patent owner. The address of the patentee may be obtained by writing to the Commissioner of Patents, Ottawa-Gatineau, Canada, K1A 0C9. If a voluntary licence cannot be arranged, a compulsory licence may be possible.

Compulsory Licences

Three years after a patent has been granted, one may request a compulsory licence to use the patent if there has been an abuse of the exclusive right. See Sections 65 to 71 of the *Patent Act*. Applications for a compulsory licence are made to the Commissioner of Patents.

6. Octroi de licences en vertu des brevets

Licences librement accordées

Les personnes désirant utiliser, fabriquer ou vendre une invention brevetée au Canada doivent en négocier les conditions avec le titulaire du brevet. L'adresse du titulaire peut être obtenue en écrivant au Commissaire aux brevets, Ottawa-Gatineau, Canada, K1A 0C9. S'il est impossible d'obtenir une licence résultant d'un libre accord, il est peut être possible d'obtenir une licence obligatoire.

Licences obligatoires

Il est possible de faire la demande d'une licence obligatoire trois ans après l'octroi d'un brevet si les droits exclusifs qui en dérivent ont donné lieu à un abus. Voir les articles 65 à 71 de la *Loi sur les brevets*. Les demandes de licence obligatoire doivent être présentées au Commissaire aux brevets.

7. Patents Available for Licence or Sale

An asterisk (*) placed beside any patent listed in this issue of the *Canadian Patent Office Record* indicates that as of the date of grant the said patent is available for licence or sale. These and other patents now made available for licensing are included in the listing in part 8 of these notices.

7. Brevets disponibles pour licence ou vente

Un astérisque (*) marqué à côté de tout brevet inscrit dans le présent numéro de la *Gazette du bureau des brevets*, signale qu'à compter de la date de la présente publication, ledit brevet est disponible pour octroi de licence ou vente. Une liste de ces brevets et d'autres mis en disponibilité pour octroi de licence, est publiée au no. 8 des présents avis.

8. List of Patents Available for Licence or Sale

The following Canadian patents have been made available this week for sale or licensing:

None

8. Liste des brevets disponibles pour octroi de licence ou vente

Les brevets canadiens suivants ont été mis en disponibilité cette semaine pour vente ou octroi de licence :

Aucun

9. Applications Open to Public Inspection

All patent applications filed since October 1, 1989 and documents filed in connection therewith are open to public inspection at the Patent Office after the expiration of a confidentiality period of eighteen months beginning on the filing date of the application, or where a request for priority has been made in respect to the application, beginning on the priority date claimed. An application may become open to public inspection sooner at the request or with the approval of the applicant (Section 10(2) of the *Patent Act*). However, an application shall not be open for public inspection if it is withdrawn within the time set out in Section 92 of the *Patent Rules*. This time limit is two months before the expiry of the confidentiality period or where the Commissioner is able to stop technical preparations to open the application to the public at a subsequent date.

9. Demandes mises à la disponibilité du public

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposés au Bureau des brevets depuis le 1er octobre 1989, peuvent y être consultées après l'expiration de la période de confidentialité de dix-huit mois à compter de la date de dépôt de la demande de brevet ou, si une demande de priorité a été présentée à l'égard de celle-ci, de la date de dépôt sur laquelle la demande de priorité est fondée. Une demande de brevet peut être consultée avant l'expiration de la période, à la requête ou sur autorisation du demandeur (article 10(2) de la *Loi sur les brevets*). Toutefois, une demande de brevet ne pourra être consultée si celle-ci est retirée à l'intérieur du délai prévu à l'article 92 des *Règles sur les brevets*. Le délai prévu est de deux mois précédant la date d'expiration de la période de confidentialité ou, lorsque le commissaire est en mesure, à une date ultérieure, d'arrêter les préparatifs techniques en vue de la consultation de cette demande.

10. Language of Published Documents

When ordering a published patent, please note that the language of the document can be identified by the language code (INID [25]) EN (English) or FR (French).

10. Langue du document publié

Toute personne intéressée à obtenir une copie d'un brevet publié doit prendre note que les codes suivants EN (Anglais) ou FR (Français) représentent (INID [25]) la langue de la copie du brevet publié.

11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After January 2, 2018

1. Transmittal Fee (Rule 14)	**$300**
2. International Filing Fee	**$1708***
For each additional sheet over 30	**$19**
3. International Search Fee	**$1600**

The above mentioned fees are due at time of filing of the international application, or within one month from the international filing date (date of receipt of the international application by the receiving office). These fees are to be paid in Canadian dollars and cheques should be made payable to the Receiver General for Canada.

If the fees are not paid within one month from the international filing date, the receiving office shall invite the applicant to pay the amount required, together with a late payment fee under

11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 2 janvier 2018

1. Taxe de transmission (Règle 14)	**300 $**
2. Taxe de dépôt internationale	**1708 $***
Pour chaque feuille au delà de 30	**19 $**
3. Taxe de recherche internationale	**1600 $**

Les taxes mentionnées ci-haut sont payables au moment du dépôt de la demande internationale, ou dans un délai d'un mois à compter de la date de dépôt international, (soit la date de réception de la demande internationale par l'office récepteur). Les taxes doivent être payées en dollars canadiens et les chèques sont payables au receveur général du Canada.

Si les taxes n'ont pas été payées dans un délai d'un mois à compter de la date de dépôt international, l'office récepteur invitera le demandeur à payer le montant dû, accompagné de la

Rule 16bis.2, within one month from the date of the invitation. Failure to pay the fees will result in the withdrawal of the application by the receiving office.

4. Late payment fee
50% of the fees that are due, or,
Minimum: Transmittal fee
Maximum: 50% of the international filing fee

Preliminary Examination

5. Handling fee (Rule 57.2(*a*)) **S257**

6. Preliminary examination fee (Rule 58) **S800**

* International fees will be reduced by:

- **S257** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **S385** for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

taxe pour le paiement tardif visée à la règle 16bis.2, dans un délai d'un mois à compter de l'invitation. Si vous omettez de payer les taxes, l'office récepteur retirera votre demande.

4. Taxe pour paiement tardif
50% du montant impayé, ou,
Minimum : taxe de transmission
Maximum : 50% de la taxe de dépôt international

Examen préliminaire

5. Taxe de traitement (Règle 57.2*a*)) **257 S**

6. Taxe d'examen préliminaire (Règle 58) **800 S**

* Les frais seront réduits de:

- **257 S** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **385 S** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

12. PCT Notices

Patent Cooperation Treaty (PCT)

Copies of the *Patent Cooperation Treaty Applicants Guide* and the *Patent Cooperation Treaty & Regulations* are available from WIPO - World Intellectual Property Organization at a cost of 200 Swiss Francs and 18 Swiss Francs, respectively.

Those wishing for further information including prices for both previous and current subscriptions should contact WIPO at:

Information Products Section
Post Office Box 18
1211 Geneva 20 Switzerland
Telephone (011 41 22) 338-9618
Facsimile (011 41 22) 740-1812

or by "E-mail" (publications.mail*@*wipo.int) or visit their Web site (www.wipo.int).

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

Des copies du *Guide du déposant du PCT* ainsi que du *Traité et des Règlements* sont disponibles auprès de l'OMPI - Organisation mondiale de la propriété intellectuelle au coût de 200 francs suisses et 18 francs suisses, respectivement.

Les personnes qui désirent obtenir de plus amples renseignements, notamment sur le prix des abonnements antérieurs et courants, sont priées de s'adresser directement à :

l'OMPI à la Section des produits d'information
Boîte postale 18
1211 Genève 20 Suisse
Téléphone (011 41 22) 338-9618
Télécopieur (011 41 22) 740-1812

ou par courriel (publications.mail*@*wipo.int) ou visiter leur site Web (www.wipo.int).

13. Practice Notice

LIMITED PARTNERSHIPS CAN BE ENTERED ON THE REGISTER OF AGENTS AND ON THE LIST OF TRADE-MARK AGENTS

Note: *This practice notice is intended to provide guidance on current Patent and Trade-marks Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

The Patent Office and the Trade-marks Office (hereinafter jointly referred to as "the Offices") have been receiving inquiries as to whether limited partnerships are entitled to act as patent and trade-mark agents before the Offices.

With respect to the register of patent agents, section 15 of the *Patent Act* provides that a register of patent agents shall be kept in the Patent Office on which shall be entered the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for patents or in other business before the Patent Office. Section 2 of the *Patent Rules* stipulates that the expression "patent agent" means any person or firm whose name is entered on the register of patent agents pursuant to section 15. Paragraph 15(c) of the *Patent Rules* provides that the Commissioner shall enter on the register of patent agents, on payment of the fee set out in item 33 of Schedule II, the name of **any firm, if the name of at least one member of the firm is entered on the register.**

With respect to the list of trade-mark agents, subsection 28(2) of the *Trade-marks Act* provides that the list of trade-mark agents shall include the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for the registration of a trade-mark or in other business before the Trade-marks Office. Paragraph 21(d) of the *Trade-mark Regulations* (1996) stipulates that the Registrar shall, on written request and payment of the fee set out in item 19 of the schedule, enter on a list of trade-mark agents the name of **any firm having the name of at least one of its members entered on the list as a trade-mark agent.**

Both the patent and trade-mark legislation therefore provide that firms may act as agents before the Offices, as long as one of their members is entered on the register or list of agents. It is generally recognised that the term "firm" includes partnerships, and the Offices have already allowed general partnerships and limited liability partnerships to be entered on the register or list of agents. The Offices consider that limited partnerships are also firms, and that they are entitled to act as agents before the

13. Énoncé de pratique

LES SOCIÉTÉS EN COMMANDITE PEUVENT ÊTRE INSCRITES AU REGISTRE DES AGENTS DE BREVETS ET SUR LA LISTE DES AGENTS DE MARQUES DE COMMERCE

Nota : *Le présent énoncé de pratique a pour but de préciser les pratiques actuelles du Bureau des brevets et du Bureau des marques de commerce et l'interprétation faite par ces derniers de certaines dispositions législatives. Toutefois, en cas de divergence entre le présent énoncé et la législation applicable, c'est la législation qui prévaudra.*

Le Bureau des brevets et le Bureau des marques de commerce (ci-après appelés conjointement « les Bureaux ») ont reçu des questions à savoir si les sociétés en commandite (en anglais « limited partnerships ») ont le droit d'agir en tant qu'agents de brevets et de marques de commerce auprès des Bureaux.

En ce qui concerne le registre des agents de brevets, l'article 15 de la *Loi sur les brevets* prévoit qu'un registre des agents de brevets est tenu au Bureau des brevets sur lequel sont inscrits les noms de toutes les personnes et entreprises ayant le droit de représenter les demandeurs dans la présentation et la poursuite des demandes de brevet ou dans toute autre affaire devant le Bureau des brevets. Aux termes de l'article 2 des *Règles sur les brevets*, « agent de brevets » s'entend de toute personne ou maison d'affaires dont le nom est inscrit au registre des agents de brevets aux termes de l'article 15. L'alinéa 15c) des *Règles sur les brevets* prévoit que le commissaire inscrit au registre des agents de brevets, moyennant paiement de la taxe prévue à l'article 33 de l'annexe II, le nom de **toute maison d'affaires dont le nom d'au moins un membre est inscrit au registre des agents de brevets**.

En ce qui concerne la liste des agents de marques de commerce, le paragraphe 28(2) de la *Loi sur les marques de commerce* prévoit que la liste des agents de marques de commerce comporte les noms des personnes et études habilitées à représenter les intéressés dans la présentation et la poursuite des demandes d'enregistrement des marques de commerce et de toute affaire devant le Bureau des marques de commerce. Aux termes de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996), le registraire, sur demande écrite et sur paiement du droit prévu à l'article 19 de l'annexe, inscrit sur la liste des agents de marques de commerce le nom de **toute firme dont le nom d'au moins un membre est inscrit sur la liste à titre d'agent de marques de commerce.**

La législation actuelle sur les brevets et celle sur les marques de commerce prévoient donc que des firmes peuvent agir en tant qu'agents auprès des Bureaux, à condition que l'un de leurs membres soit inscrit au registre ou à la liste des agents. Il est généralement admis que le terme « firme » inclut les sociétés (en anglais «partnerships ») et les Bureaux ont déjà autorisé des sociétés en nom collectif (en anglais « general partnerships») ainsi que des sociétés à responsabilité limitée

Offices.

Therefore, commencing immediately, the Offices will enter upon request, on the register or list of agents, limited partnerships that otherwise meet the requirements set out in the patent and trade-mark legislation.

The Offices, however, continue to consider that the current patent and trade-mark legislation do not allow corporations to be entered on the register or list of agents, since corporations do not have members and therefore cannot meet the requirements set out in paragraph 15(c) of the *Patent Rules* and paragraph 21(d) of the *Trade-mark Regulations* (1996).

(en anglais « limited liability partnerships ») à être inscrites au registre ou à la liste des agents. Les Bureaux considèrent que les sociétés en commandite sont aussi des firmes et qu'elles ont le droit d'agir en tant qu'agents auprès des Bureaux.

En conséquence, sur demande, les Bureaux inscriront désormais au registre, ou à la liste des agents, les sociétés en commandite qui répondent aux exigences de la *Loi sur les brevets et de la Loi sur les marques de commerce.*

Les Bureaux continuent toutefois de considérer que la législation actuelle sur les brevets et les marques de commerce ne permet pas aux compagnies (en anglais « corporations ») d'être inscrites au registre ou à la liste des agents, étant donné que les compagnies n'ont pas de membres et ne peuvent donc pas satisfaire aux exigences de l'alinéa 15c) des *Règles sur les brevets* et de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996).

14. Correspondence Procedures

June 20, 2017

1. Physical Delivery of Correspondence to CIPO
2. Electronic Correspondence
3. Details concerning the electronic formats accepted
4. General Information
5. Statutory Holidays
6. Procedures in case of an unexpected Office closure at CIPO
7. Procedures when CIPO is open for business but clients are unable to communicate with the Office
8. Intellectual property acts, rules and regulations

This notice will replace all previous notices regarding Correspondence Procedures.

Note: *This practice notice is intended to provide guidance on current Canadian Intellectual Property Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

1. Physical Delivery of Correspondence to CIPO

For the purposes of sections 5 and 54 of the Patent Rules, section 3 of the Trade-marks Regulations, section 2 of the Copyright Regulations, section 3 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography Regulations, the address of the Patent Office, the Office of the

14. Procédures de correspondance

le 20 juin, 2017

1. Livraison en personne de correspondance à l'OPIC
2. Correspondance électronique
3. Précisions concernant les formats électroniques acceptés
4. Renseignements généraux
5. Jours fériés
6. Procédures en cas de fermeture des bureaux
7. Procédures à suivre lorsque les clients sont incapables de communiquer avec les bureaux de l'Office de la propriété intellectuelle du Canada durant les heures d'ouverture
8. Lois, règles et règlements sur la propriété intellectuelle

Le présent avis remplacera tous les avis antérieurs relatifs aux procédures de correspondance.

Nota : *Le présent avis fournit une orientation concernant les pratiques et interprétations relatives aux lois pertinentes au sein de l'Office de la propriété intellectuelle du Canada. Toutefois, en cas d'incompatibilité entre cet avis et la législation applicable, c'est celle-ci qu'il faudra suivre.*

1. Livraison en personne de correspondance à l'OPIC

Aux fins des articles 5 et 54 des Règles sur les brevets, de l'article 3 du Règlement sur les marques de commerce, de l'article 2 du Règlement sur le droit d'auteur, de l'article 3 du Règlement sur les dessins industriels et de l'article 3 du Règlement sur les topographies de circuits intégrés, l'adresse

Registrar of Trade-marks, the Copyright Office, the Industrial Design section of the Office of the Commissioner of Patents, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

Canadian Intellectual Property Office
Place du Portage I
50 Victoria Street, Room C-114
Gatineau QC K1A 0C9

Correspondence delivered to the above address during ordinary business hours 8:30 a.m. to 4:30 p.m. (local time) will be considered to be received on the date of delivery.

Please be advised that once correspondence is received by CIPO it cannot be returned to the sender, even if the sender states that the correspondence was sent by mistake. Exceptionally, in cases where correspondence is related to a patent application that does not meet the requirements under subsection 27.1(1) of the Patent Act for obtaining a filing date, the documents will be returned to the sender.

The Fee Payment Form should always be submitted as a covering document and should be the only document submitted to CIPO that contains financial information, such as credit card numbers.

Download the Fee Payment Form.

1.1 Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered **in person**:

1. Innovation, Science and Economic Development Canada
   C.D. Howe Building
   235 Queen Street, Room S-143
   Ottawa ON K1A 0H5
   Tel.: 343-291-3436

   8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

2. Innovation, Science and Economic Development Canada
   Sun Life Building
   1155 Metcalfe Street, Room 950
   Montreal QC H3B 2V6

du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, de la Section des dessins industriels du Bureau du commissaire aux brevets, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC » est la suivante :

Office de la propriété intellectuelle du Canada
Place du Portage I
50, rue Victoria, pièce C-114
Gatineau (Québec) K1A 0C9

La correspondance livrée à l'adresse ci-dessus lors des heures normales d'ouverture, soit de 8h30 à 16h30 (heure locale), sera considérée comme ayant été reçue la journée même de la livraison.

Veuillez prendre note qu'une fois que l'OPIC reçoit de la correspondance, il ne peut pas la retourner à l'expéditeur, même si l'expéditeur indique que la correspondance a été envoyée par erreur. Exceptionnellement, dans le cas où la correspondance vise une demande de brevet ne satisfaisant pas aux exigences du paragraphe 27.1(1) de la Loi sur les brevets pour l'obtention d'une date de dépôt, les documents seront retournés à l'expéditeur.

Le formulaire de paiements devrait toujours être présenté comme page couverture et devrait être le seul document soumis à l'OPIC contenant de l'information financière telle que les numéros de carte de crédit.

Téléchargez le formulaire de paiements.

1.1 Établissements désignés

Aux fins des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 3(4) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, du paragraphe 3(4) du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les établissements ou bureaux désignés où peut être livrée **en personne** la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies sont les suivants :

1. Innovation, Sciences et Développement économique Canada
   Édifice C.D. Howe
   235, rue Queen, pièce S-143
   Ottawa (Ontario) K1A 0H5
   Tél. : 343-291-3436

   8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

2. Innovation, Sciences et Développement économique Canada
   Édifice Sun Life
   1155, rue Metcalfe, bureau 950
   Montréal (Québec) H3B 2V6

Tel.: 514-496-1797
Toll-free: 1-888-237-3037

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

3. Innovation, Science and Economic Development Canada
151 Yonge Street, 4th Floor
Toronto ON M5C 2W7
Tel.: 416-973-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

4. Innovation, Science and Economic Development Canada
Canada Place
9700 Jasper Avenue, Suite 725
Edmonton AB T5J 4C3
Tel.: 780-495-4782
Toll-free: 1-800-461-2646

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

5. Innovation, Science and Economic Development Canada
Library Square
300 West Georgia Street, Suite 2000
Vancouver BC V6B 6E1
Tel.: 604-666-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

Correspondence delivered, during ordinary business hours, to one of the designated establishments listed above, will be considered to be received on the date of delivery to that designated establishment, only if it is also a day on which CIPO is open for business. Correspondence delivered to a designated establishment on a day when CIPO is closed for business will be considered to be received on the next day on which CIPO is open for business. For example, correspondence delivered to the designated establishment in Toronto on June 24 will not be considered received on June 24 since CIPO is closed for business. The correspondence will be considered received on the next day CIPO is open for business.

Please note that documents delivered to the addresses listed above must be enclosed in a sealed envelope.

Tél. : 514-496-1797
Sans frais : 1-888-237-3037

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

3. Innovation, Sciences et Développement économique Canada
151, rue Yonge, 4e étage
Toronto (Ontario) M5C 2W7
Tél. : 416-973-5000

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

4. Innovation, Sciences et Développement économique Canada
Canada Place
9700, avenue Jasper, pièce 725
Edmonton (Alberta) T5J 4C3
Tél. : 780-495-4782
Sans frais : 1-800-461-2646

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

5. Innovation, Sciences et Développement économique Canada
Library Square
300, rue Georgia Ouest, pièce 2000
Vancouver (C.-B.) V6B 6E1
Tél. : 604-666-5000

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

La correspondance livrée pendant les heures normales d'ouverture à l'un des établissements désignés susmentionnés sera réputée reçue à la date de livraison à cet établissement seulement si l'OPIC est ouvert au public à cette même date. Sinon, elle sera réputée avoir été reçue à la date du jour d'ouverture suivant de l'OPIC. Par exemple, la correspondance livrée à un établissement désigné à Toronto le 24 juin ne sera pas considérée comme ayant été reçue le 24 juin, puisque les bureaux de l'OPIC seront fermés. La correspondance sera considérée comme ayant été reçue lors de la prochaine journée ouvrable de l'OPIC.

Prendre note que les documents livrés aux adresses énumérées ci-dessus doivent être insérés dans une enveloppe scellée.

1.2. Registered Mail™ and Xpresspost™ services of Canada Post

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the Registered Mail™ and Xpresspost™ services of Canada Post are designated establishments or designated offices to which

1.2. Services Courrier recommandé^MC et Xpresspost^MC de Postes Canada

Aux fins des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 3(4) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, du paragraphe 3(4) du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les services Courrier recommandé^MC et Xpresspost^MC de Postes Canada sont des

correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered.

CIPO considers that correspondence delivered through the Registered Mail™ and Xpresspost™ services of Canada Post is received by CIPO on the day indicated on the mailing receipt provided by Canada Post, or if CIPO is closed for business on that day, on the day when CIPO is next open for business.

2. Electronic Correspondence

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, subsection 3(6) of the Trade-marks Regulations, subsection 2(6) of the Copyright Regulations, subsection 3(6) of the Industrial Design Regulations, and subsection 3(6) of the Integrated Circuit Topography Regulations, correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent by facsimile, online or on an electronic medium only as provided in the current notice.

In accordance with subsection 54(5) of the Patent Rules, the request for national entry is the only correspondence addressed to the Commissioner in respect of an international application that can be submitted online or on an electronic medium with the exception of sequence listings, applications prepared using the PCT-SAFE software or prepared using WIPO's ePCT online service as specified in the current notice. Other correspondence submitted online or on an electronic medium in respect of international applications that have not entered the national phase will not be accepted.

Subsection 3(9) of the Trade-marks Regulations specifies certain categories of correspondence to which the provisions of subsection 3(6) do not apply and which thus may not be sent by facsimile or online.

Correspondence sent by facsimile or online to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies constitutes the original, therefore a duplicate paper copy should not be forwarded.

Correspondence delivered by electronic means of transmission, including facsimile, will be considered to be received on the day that it is transmitted if delivered and received before midnight, local time at CIPO on a day when CIPO is open for business. When CIPO is closed for business, correspondence delivered on that day will be considered to be received on the next day on which CIPO is open for business.

établissements ou des bureaux désignés auquels la correspondance adressée au commissaire aux brevets, au Registraire des marques de commerce, au Bureau du droit d'auteur ou au Registraire des topographies peut être livrée.

L'OPIC considère que la correspondance livrée par l'entremise des services Courrier recommandé℠ et Xpresspost℠ de Postes Canada sont reçus par l'OPIC le jour indiqué sur le reçu de confirmation émis par Postes Canada, ou si l'OPIC est fermé au public ce jour-là, le jour de la réouverture de l'OPIC.

2. Correspondance électronique

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, du paragraphe 3(6) du Règlement sur les marques de commerce, du paragraphe 2(6) du Règlement sur le droit d'auteur, du paragraphe 3(6) du Règlement sur les dessins industriels et du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par télécopieur ou encore en ligne ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent avis.

Conformément au paragraphe 54(5) des Règles sur les brevets, la demande d'entrée en phase nationale d'une demande internationale est la seule correspondance adressée au commissaire qui peut être présentée en ligne ou sur support électronique, à l'exception des listages de séquences, des demandes préparées à l'aide du logiciel PCT-SAFE ou préparées à l'aide du service en ligne ePCT de l'OMPI, tel qu'indiqué dans le présent avis. Toute autre correspondance présentée en ligne ou sur support électronique relativement à des demandes internationales qui ne sont pas entrées dans la phase nationale ne sera pas acceptée.

Le paragraphe 3(9) du Règlement sur les marques de commerce prévoit certaines catégories de correspondance auxquelles les dispositions du paragraphe 3(6) ne s'appliquent pas et qui, par conséquent, ne peuvent pas être envoyées par télécopieur ou en ligne.

La correspondance envoyée par télécopieur ou en ligne au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies tient lieu d'original. Par conséquent, une copie sur support papier ne devrait pas être expédiée.

La correspondance livrée et reçue par voie électronique, y compris par télécopieur, est réputée reçue à l'OPIC le jour même avant minuit, heure locale, lorsque l'OPIC est ouvert au public. Si elle est transmise un jour où l'OPIC est fermé au public, elle est réputée reçue à la date du jour d'ouverture suivant de l'OPIC.

2.1 Facsimile

Facsimile correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent to the following facsimile numbers:

- (819) 953-CIPO (2476) or
- (819) 953-OPIC (6742)

Facsimile correspondence that is sent to any facsimile number other than those indicated above, including those of a designated establishment or designated office, will be considered not to have been received.

The electronic transmittal report returned to you following your facsimile transmission will constitute your acknowledgment receipt. Confidentiality of the facsimile transmission process cannot be guaranteed. Please note that CIPO strongly discourages the use of a computer facsimile interface or internet-based facsimile services due to technical issues with reception.

When submitting a document by facsimile that also has a fee requirement, notification of the preferred mode of payment to be applied must be prominently displayed on the Fee Payment Form to ensure expedient processing.

Patents

The document presentation requirements set out in sections 69 and 70 of the Patent Rules apply to facsimile correspondence.

2.1 Correspondance par télécopieur

La correspondance par télécopieur adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise aux numéros ci-dessous :

- 819-953-OPIC (6742) ou
- 819-953-CIPO (2476)

La correspondance qui est transmise par télécopieur à tout autre numéro de télécopieur que ceux qui sont indiqués ci-dessus, y compris ceux d'établissements ou de bureaux désignés, sera réputée non reçue.

Le rapport de transmission électronique que vous recevrez après votre envoi par télécopieur constituera votre accusé de réception. La confidentialité du processus de transmission électronique ne peut pas être garantie. Veuillez noter que l'OPIC décourage fortement l'utilisation d'interface de télécopie par ordinateur ou de services de télécopie par le biais d'internet étant donné les problèmes techniques probables avec la réception.

Quand on transmet par télécopieur un document comprenant une demande d'acquittement de frais, il faut clairement indiquer le mode de paiement préféré sur le formulaire de paiements en vue d'assurer un traitement rapide.

Brevets

Les exigences relatives à la présentation des documents énoncées aux articles 69 et 70 des Règles sur les brevets s'appliquent à la correspondance par télécopieur.

2.2 Online

Correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent electronically using the relevant links below.

Patents

For the purpose of subsection 5(6) of the Patent Rules, correspondence addressed to the Commissioner may be sent electronically by accessing the following pages:

- filing an application (regular application);
- filing a request for national entry;
- filing an international application (PCT Safe or ePCT);
- general correspondence relating to applications and patents;
- maintaining the name of a patent agent on the register

2.2 En ligne

La correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par voie électronique.

Brevets

Aux fins du paragraphe 5(6) des Règles sur les brevets, la correspondance adressée au commissaire peut être envoyée par voie électronique, notamment par le biais des pages suivantes :

- déposer une demande (demande régulière);
- déposer une demande d'entrée dans la phase nationale;
- déposer une demande internationale (PCT Safe ou ePCT);
- correspondance générale concernant des demandes et des brevets;
- maintien du nom d'un agent de brevets dans le registre

of patent agents; and
- ordering copies in paper, or electronic form of a document.

des agents de brevets;
- commande de copies papier ou d'un document sous forme électronique.

Canada as Receiving Office Under the PCT: PCT-SAFE

Pursuant to PCT Rule 89bis, CIPO, in its role as a receiving Office, accepts the electronic filing of an international application prepared using the latest version of the WIPO's PCT-Safe software and applications prepared using WIPO's ePCT online service. Filing in both cases must be done using CIPO's International Filing e-service, called PCT E-Filing.

Note: Correspondence related to PCT international applications can not be sent electronically to CIPO. Correspondence may be sent by mail, by facsimile or delivered by hand to CIPO or to a designated establishment.

Le Canada comme office récepteur au titre du PCT : PCT-SAFE et ePCT

Conformément à la Règle 89bis du PCT, l'OPIC, à titre d'office récepteur, accepte le dépôt d'une demande internationale préparée à l'aide de la plus récente version du logiciel PCT-SAFE de l'OMPI, et d'une demande préparée à l'aide du service en ligne ePCT de l'OMPI. Dans les deux cas, le dépôt doit se faire à l'aide du service électronique de dépôt de demandes internationales de l'OPIC, appelé Dépôt en ligne de demandes PCT.

Note: La correspondance liée aux demandes internationales PCT ne peut être envoyée par voie électronique à l'OPIC. La correspondance peut être envoyée par courrier, par télécopieur ou remis en mains à l'OPIC ou à un établissement désigné.

Trademarks

For the purpose of subsection 3(6) of the Trade-marks Regulations, the following correspondence addressed to the Registrar of Trade-marks may be sent electronically by accessing the following pages:

- filing a new or revised trademark application;
- renewal of a trademark registration;
- request to enter a name on the list of trademark agents;
- annual renewal of a trademark agent;
- requesting copies of trademark documents;
- filing of a declaration of use;
- registration of a trademark application;
- statement of Opposition; and
- extensions of time in trademark opposition cases

Marques de commerce

Aux fins du paragraphe 3(6) du Règlement sur les marques de commerce, la correspondance indiquée ci-dessous qui est adressée au registraire des marques de commerce peut être envoyés par voie électronique, notamment par les pages suivantes :

- nouvelle demande ou demande modifiée d'enregistrement de marque de commerce;
- renouvellement de l'enregistrement d'une marque de commerce;
- demande d'inscription d'un nom à la liste des agents de marques de commerce;
- renouvellement annuel d'un agent de marques de commerce;
- commande de copies de documents de marques de commerce,
- dépôt d'une déclaration d'emploi;
- l'enregistrement d'une marque de commerce
- dépôt d'une déclaration d'opposition; et
- demande de prolongation de délai dans une procédure d'opposition.

Copyright

For the purpose of subsection 2(6) of the Copyright Regulations, the following correspondence addressed to the Copyright Office may be sent electronically, by accessing the following pages:

- application for registration of a copyright in a work,
- application for registration of a copyright in a performer's performance, sound recording or a

Droits d'auteur

Aux fins du paragraphe 2(6) du Règlement sur le droit d'auteur, la correspondance indiquée ci-dessous qui est adressée au Bureau du droit d'auteur peut être transmise par voie électronique. Pour ce faire, il faut accéder aux pages suivantes :

- demande d'enregistrement d'un droit d'auteur sur une œuvre,
- demande d'enregistrement d'un droit d'auteur sur une prestation, un enregistrement sonore ou un signal de

communication signal;
- filing a grant of interest;
- request for certificate of correction;
- ordering copies in paper, or electronic form of a document; and
- general correspondence relating to copyright.

communication;
- dépôt d'une concession d'intérêt;
- demande de certificat de correction;
- commande de copies des documents papier ou électroniques et
- correspondance générale relative aux droits d'auteur.

Industrial Designs

For the purpose of subsection 3(6) of the Industrial Design Regulations, the following correspondence addressed to the Commissioner of Patents may be sent electronically, by accessing the following pages:

- application for registration of an industrial design;
- ordering copies in paper, or electronic form of a document;
- general correspondence relating to industrial designs; and
- payment of industrial design maintenance fees.

Dessins industriels

Aux fins du paragraphe 3(6) du Règlement sur les dessins industriels, la correspondance indiquée ci-dessous qui est adressée au commissaire aux brevets peut être transmise par voie électronique. Pour ce faire, il faut accéder aux pages suivantes :

- demande d'enregistrement d'un dessin industriel;
- commande de copies de documents papier ou électroniques;
- correspondance générale relative aux dessins industriels; et
- paiement des droits de maintien des dessins industriels.

Integrated Circuit Topographies

For the purpose of subsection 3(6) of the Integrated Circuit Topography Regulations, the following correspondence addressed to the Registrar of Topographies may be sent electronically, by accessing the following page:

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

Aux fins du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance indiquée ci-dessous qui est adressée au registraire des topographies peut être transmise par voie électronique. Pour ce faire, il faut accéder à la page suivante :

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

Patents

The Patent Office will accept correspondence on various types of electronic medium as specified below. The electronic medium should contain a table of contents and be provided with a cover letter, which will be date stamped by CIPO and placed in the application file. Filing date requirements prescribed in the Patent Rules still remain.

When submitted on an electronic medium, the parts of the application must be logically broken down in files, which are no larger than 25 megabytes.

With regards to sequence listings under Rule 111 of the Patent Rules, the electronic medium must be separate from any electronic medium which may be filed containing parts of the

2.3 Supports électroniques

Brevets

Le Bureau des brevets acceptera la correspondance transmise à l'aide de divers supports électroniques, tel qu'indiqué ci-dessous. Le support électronique devrait contenir une table des matières et être accompagné d'une lettre explicative, laquelle sera datée par l'OPIC et placée dans le dossier de la demande. Les exigences relatives à la date de dépôt énoncées dans les Règles sur les brevets resteront applicables.

Les parties d'une demande qui sont présentées sur support électronique doivent être logiquement réparties en fichiers de 25 mégaoctets au maximum.

En ce qui concerne les listages des séquences prévus à l'article 111 des Règles sur les brevets, le support électronique doit être distinct de tout support électronique qui peut être déposé et qui

application itself or amendment(s) thereof.

Canada as Receiving Office Under the PCT: Electronic Filing of Sequence Listings

Pursuant to PCT Rules 89bis and 89ter, and in accordance with Part 7 of the PCT Administrative Instructions, where an international application contains disclosure of one or more nucleotide and/or amino acid sequence listings, CIPO, in its role as a receiving Office, accepts that the sequence listing part of the description and/or any table related to the sequence listing(s) be filed, at the option of the applicant:

i. only on an electronic medium in electronic form in accordance with section 702 of Part 7 of the PCT Administrative Instructions; or

ii. both on an electronic medium in electronic form and on paper in accordance with section 702 of Part 7 of the PCT Administrative Instructions;

provided that the other elements of the international application are filed as otherwise provided for under the PCT.

The sequence listing part of an international application filed in electronic form and related tables filed in electronic form shall comply with the relevant provisions of Annex C and C-bis of the PCT Administrative Instructions respectively.

For this purpose the Canadian receiving Office will accept any electronic media specified in Annex F of the PCT Administrative Instructions. Where both the sequence listing and the tables are filed in electronic form, the listing and the tables shall be contained on separate electronic media, which shall contain no other programs or files.

For the purpose of processing the international application, the Canadian receiving Office requires two (2) additional copies of the electronic media containing the sequence listing and/or tables in electronic form, accompanied by a statement that the sequence listings and/or tables contained in the copies are identical to those in electronic form as filed.

For further details concerning the filing of sequence listings and/or tables in electronic form, including the labeling of the electronic media and the calculation of the international filing fee, refer to section 7 of the PCT Administrative Instructions.

Electronic Media accepted by the Patent Office

The Patent Office will accept 3.5 inch diskette, CD-ROM, CD-R, DVD, DVD-R and any format as specified in Annex F of

contient des parties de la demande elle-même ou des modifications relatives à la demande.

Le Canada comme office récepteur au titre du PCT : Dépôt électronique des listages de séquences

Conformément aux Règles 89bis et 89ter du PCT et à la Partie 7 des Instructions administratives du PCT, lorsqu'une demande internationale contient la divulgation d'un ou de plusieurs listages des séquences de nucléotides et/ou d'acides aminés, à titre d'office récepteur l'OPIC accepte le dépôt de la partie de la description contenant les listages des séquences et/ou de tout tableau relatif aux listages des séquences et ce, à la discrétion du requérant :

i. seulement sous forme électronique et sur support électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT, ou

ii. sur support papier et sur support électronique sous forme électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT,

à condition que les autres éléments de la demande internationale soient déposés conformément aux dispositions du PCT.

Dans une demande internationale déposée sous forme électronique, la partie qui contient le listage des séquences et les tableaux connexes seront conformes aux dispositions pertinentes de l'Annexe C et de l'Annexe C-bis des Instructions administratives du PCT, respectivement.

À cette fin, l'office récepteur canadien acceptera tout support électronique prévu à l'Annexe F des Instructions administratives du PCT. Lorsque le listage des séquences et les tableaux sont déposés sous forme électronique, ils le seront sur des supports électroniques distincts ne contenant pas d'autres programmes ni fichiers.

Aux fins du traitement de la demande internationale, l'office récepteur canadien exige deux (2) copies supplémentaires du support électronique contenant le listage de séquences et/ou les tableaux sous forme électronique, accompagnées d'une déclaration indiquant que le listage des séquences et/ou les tableaux contenus dans les copies sont identiques à ceux qui ont été déposés sous forme électronique.

On trouvera à l'article 7 des Instructions administratives du PCT des détails supplémentaires sur le dépôt de listages des séquences et/ou de tableaux sous forme électronique, notamment sur l'étiquetage des supports électroniques et le calcul de la taxe de dépôt internationale.

Supports électroniques acceptés par le Bureau des brevets

Le Bureau de brevets acceptera des disquettes 3,5 pouces, CD-ROM, CD-R, DVD, DVD-R et tout format spécifié à l'Annexe

the PCT Administration Instructions.

The electronic medium must also be free of worms, viruses or other malicious content. Files with malicious content will be deleted.

3. Details concerning the electronic formats accepted

Patents

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, the acceptable file formats for documents submitted electronically using the relevant links set out in section 2.2 of these correspondence procedures or on electronic media are TIFF and PDF. In order to get a correspondence date, the office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the office will request the documents to be replaced by documents in PDF or TIFF and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

Sequence listings can be initially provided in TIFF, PDF or in ASCII file formats. However, as a completion requirement according to section 94 of the Patent Rules, a sequence listing in the ASCII format compliant with the "PCT sequence listing standard" has to be submitted. Therefore, CIPO encourages applicants to submit the sequence listings in the ASCII format in the first place.

When applicable, the Patent Office will accept files in the TIFF, PDF and ASCII format when they comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11" or A4.

PDF Format:

- Adobe Portable Document Format Version 1.4 compatible;
- Non-compressed text to facilitate searching;
- Unencrypted text;
- No embedded OLE objects;
- All fonts must be embedded and licensed for distribution.

F des Instructions administratives du PCT.

Le support électronique doit aussi être exempt de tout ver, virus ou autre contenu malveillant. Les fichiers ayant un contenu malveillant seront effacés.

3. Précisions concernant les formats électroniques acceptés

Brevets

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à l'article 2.2 de ces procédures de correspondance ou sur support électronique sont les formats TIFF et PDF. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers en format PDF ou TIFF, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents initialement déposés.

Les listages des séquences peuvent être initialement déposés sous forme de fichiers TIFF, PDF ou ASCII. Toutefois, afin de compléter la demande, conformément à l'article 94 des Règles sur les brevets, un listage des séquences en format ASCII conforme à la Norme PCT de listage des séquences devra être présenté. L'OPIC encourage donc les demandeurs à déposer les listages de séquences en format ASCII dès le départ.

Le cas échéant, le Bureau des brevets acceptera des fichiers en format TIFF, PDF et ASCII s'ils sont conformes aux spécifications suivantes :

Format TIFF

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Résolution : 300 ou 400 ppp
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po ou A4.

Format PDF

- Compatible avec Adobe Portable Document Format Version 1.4
- Texte non comprimé, pour faciliter la recherche
- Texte non chiffré
- Pas d'objets OLE incorporés
- Toutes les polices de caractère doivent être incorporées et leur distribution doit être autorisée.

ASCII

- Shall be encoded using IBM Code Page 437, IBM Code Page 932 or a compatible code page.

ASCII

- Le texte sera encodé à l'aide des pages de codes IBM 437 ou IBM 932 ou d'une page de codes compatible.

Industrial Design

For the purposes of subsection 3(6) of the Industrial Design Regulations, the acceptable file formats for documents submitted electronically using the relevant links set out in section 2.2 of these correspondence procedures are: TIFF, JPEG, WPD and Doc. In order to get a correspondence date, the Office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the Office will request the documents to be replaced by documents in one of the acceptable formats and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

When submitting images electronically, we strongly encourage clients to comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11";
- Resolution of 300 dpi

Photographs in JPEG Format:

- JPEG compression, Gray Scale 8 bit (256 Shades of Gray);
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11";
- Resolution of 300 dpi

For all images submitted in different formats, the office may print and scan the images or convert them to recommended formats prior to loading them in the database. If the office converts files to an acceptable format this could result in a change in quality to the drawings.

Dessins industriels

Aux fins des paragraphes 3(6) et 12(3) du Règlement sur les dessins industriels, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à l'article 2.2 de ces procédures de correspondance sont : TIFF, JPEG, WPD et DOC. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats, à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ».Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers présentés dans un des formats acceptables, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents déposés à l'origine.

Nous encourageons fortement les clients à respecter les spécifications suivantes lorsqu'ils déposent des images par voie électronique :

Format TIFF :

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po
- Résolution : 300 ppp

Photographies en format JPEG :

- Compression JPEG, échelle de gris de 8 bits (256 tons de gris)
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po
- Résolution : 300 ppp

Pour toutes les images soumises dans différents formats, le bureau peut imprimer et balayer les images par scanner ou les convertir dans les formats recommandés avant leur chargement dans la base de données. Si le bureau convertit les fichiers dans un format acceptable, ceci pourrait résulter en un changement de la qualité des dessins.

4. General Information

General information may be obtained by communicating with CIPO's Client Service Centre.

4. Renseignements généraux

On pourra obtenir des renseignements généraux en communiquant avec le Centre de services à la clientèle de l'OPIC.

5. Statutory Holidays

- Time limits under the Patent, Trade-marks, Industrial Design, Copyright and Integrated Circuit Topography Acts
- Time limits under the Patent and Trade-marks Act
- Time limits under the Patent Cooperation Treaty
- Provincial and Territorial Holidays
- When Patent and Trademarks Offices are closed for business

5. Jours fériés

- Délais prévus dans les lois sur les brevets, les marques de commerce, les dessins industriels, le droit d'auteur et les topographies de circuits intégrés
- Délais prévus dans la Loi sur les brevets et dans la Loi sur les marques de commerce
- Délais prévus dans le Traité de coopération en matière de brevets
- Jours fériés provinciaux ou territoriaux
- Jours de fermeture au public des bureaux des brevets et des marques de commerce

Time limits under the Patent, Trade-marks, Industrial Design, Copyright and Integrated Circuit Topography Acts

In accordance with section 26 of the Interpretation Act, any person choosing to deliver a document to a designated establishment (including CIPO's offices in Gatineau, Quebec; an Innovation, Science and Economic Development Canada regional office or the Registered Mail™ and Xpresspost™ services of Canada Post) where a federal, provincial or territorial holiday exists, is entitled to an extension of any time limit for the filing of the document that expires on the holiday, until the next day that is not a holiday. It is to be noted, in respect of provincial and territorial holidays, that the entitlement to the extension is dependent on the establishment to which the document is delivered and not on the place of residence of the person for whom the document is filed or of their agent. For this purpose, documents transmitted to CIPO by electronic means, including by facsimile, would be considered to be delivered to CIPO's offices in Gatineau, Quebec.

CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly, where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that he or she is properly entitled to any needed extension of the time limit.

Délais prévus dans les lois sur les brevets, les marques de commerce, les dessins industriels, le droit d'auteur et les topographies de circuits intégrés

Selon l'article 26 de la Loi d'interprétation, lorsqu'une personne choisit de livrer un document à un établissement désigné (y compris les bureaux de l'OPIC à Gatineau, au Québec, un bureau régional d'Innovation, Sciences et Développement économique Canada ou le service Courrier recommandé de Postes Canada) dans une province où il y a un jour férié fédéral, provincial ou territorial, tout délai fixé pour le dépôt du document, qui expire un jour férié peut être prorogé jusqu'au jour non férié suivant. Dans le cas d'un jour férié provincial ou territorial, il convient de souligner que le droit à la prorogation dépend de l'établissement auquel le document est livré et non du lieu de résidence de la personne pour laquelle le document est déposé ou de son agent. À cet égard, les documents envoyés à l'OPIC par un moyen électronique, y compris par télécopieur, sont réputés être livrés aux bureaux de l'OPIC à Gatineau, au Québec.

En pratique, l'OPIC n'a aucun moyen de faire le suivi sur les établissements auxquels des documents sont livrés. Par conséquent, si le délai pour le dépôt d'un document tombe un jour férié provincial ou territorial et qu'une personne le livre seulement le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement qui justifierait une prorogation du délai. Dans de telles circonstances, il incombe au déposant de s'assurer qu'il a droit à une telle prorogation.

Time limits under the Patent and Trade-marks Acts

In addition to the extensions of time limits referred to above, in accordance with subsection 78(1) of the Patent Act and subsection 66(1) of the Trade-marks Act, any patent or trademark time limit that expires on a day when the Patent and Trademarks Offices are closed for business is deemed to be extended to the next day when the offices are open for business. All persons are entitled to these extensions regardless of their place of residence or of the establishment to which documents are delivered.

No equivalent provisions exist under the Industrial Design Act, the Copyright Act or the Integrated Circuit Topography Act.

Délais prévus dans la Loi sur les brevets et dans la Loi sur les marques de commerce

En plus des prorogations indiquées aux paragraphes précédents, les paragraphes 78(1) de la Loi sur les brevets et 66(1) de la Loi sur les marques de commerce stipulent que tout délai relatif aux brevets ou aux marques de commerce qui expire un jour où les bureaux des marques de commerce et des brevets sont fermés au public est réputé prorogé jusqu'au jour de réouverture de ces bureaux. Toute personne a droit à une telle prorogation quel que soit son lieu de résidence ou l'établissement auquel les documents sont livrés

Il n'existe pas de disposition équivalente dans la Loi sur les dessins industriels, la Loi sur le droit d'auteur ou dans la Loi sur les topographies de circuits intégrés.

Time limits under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

If the expiration of any period during which any document or fee must reach a national Office or intergovernmental organization falls on a day:

i. on which such Office or organization is not open to the public for the purposes of the transaction of official business;

ii. on which ordinary mail is not delivered in the locality in which such Office or organization is situated;

iii. which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or

iv. which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day;

the period shall expire on the next subsequent day on which none of the said four circumstances exists.

CIPO takes the position that section 26 of the Interpretation Act applies to PCT international applications filed in Canada. Accordingly, where a person has a time limit under the PCT for

Délais prévus dans le Traité de coopération en matière de brevets

La règle 80.5 du Règlement d'exécution du PCT prévoit ce qui suit :

Si un délai quelconque pendant lequel un document ou une taxe doit parvenir à un office national ou à une organisation intergouvernementale expire un jour

i. où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;

ii. où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;

iii. qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou

iv. qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant;

Le délai prend fin le premier jour suivant auquel aucune de ces quatre circonstances n'existe plus.

L'OPIC estime que l'article 26 de la Loi d'interprétation s'applique aux demandes internationales du PCT déposées au Canada. Par conséquent, lorsqu'un délai prévu dans le cadre du

the filing of a document in Canada that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. CIPO, however, takes no position as to whether such extensions would be recognized by other countries, and it will be the responsibility of the person filing the document to ensure that in other countries of interest they are properly entitled to any needed extension of the time limit by reason of Rule 80.5 of the Regulations under the PCT or some other applicable law.

PCT pour le dépôt d'un document au Canada expire un jour férié provincial ou territorial, si le déposant livre le document en question le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement où une prorogation du délai est justifiée. Toutefois, il ne se prononce pas sur l'acceptation éventuelle de ces prorogations par d'autres pays; il incombera à la personne qui dépose le document de vérifier si elle a droit à une prorogation, dans d'autres pays qui l'intéressent, en vertu de la règle 80.5 du Règlement d'exécution du PCT ou d'une autre loi pertinente.

Provincial and Territorial Holidays

For the purposes of this practice notice, CIPO has identified the following as being days that are not federal holidays but that are holidays in one or more provinces or territories:

1. **Alberta**: Third Monday in February (Alberta Family Day)
2. **British Columbia**:
    - First Monday in August (British Columbia Day)
    - Second Monday in February (British Columbia Family Day)
3. **New Brunswick**: First Monday in August (New Brunswick Day)
4. **Newfoundland and Labrador**:
    - March 17 (St. Patrick's Day)
    - April 23 (St. George's Day)
    - June 24 (Discovery Day)
    - July 12 (Orangemen's Day)
    - First Monday in August (Regatta Day)
5. **Nova Scotia**: First Monday in August (Civic Holiday)
6. **Ontario**:
    - Third Monday in February (Ontario Family Day)
    - First Monday in August (Civic Holiday)
7. **Prince Edward Island**: First Monday In August (Civic Holiday)
8. **Quebec**: June 24 (St. John the Baptist Day)
9. **Saskatchewan**: First Monday in August (Saskatchewan Day)
10. **Yukon**: Third Monday in August (Discovery Day)

Jours fériés provinciaux ou territoriaux

Aux fins du présent avis, l'OPIC a indiqué que les jours ci-après, qui ne sont pas des jours fériés pour l'administration fédérale, sont des jours fériés dans au moins une province ou territoire :

1. **Alberta** : troisième lundi de février (Jour de la Famille de l'Alberta)
2. **Colombie-Britannique** :
    - premier lundi d'août (Fête de la Colombie-Britannique)
    - euxième lundi de février (Jour de Famille de la Colombe –Britannique)
3. **Nouveau-Brunswick** : premier lundi d'août (Fête du Nouveau-Brunswick)
4. **Terre-Neuve et Labrador** :
    - 17 mars (Fête de la Saint-Patrick)
    - 23 avril (Fête de la Saint-Georges)
    - 24 juin (Journée de la Découverte)
    - 12 juillet (Jour des Orangistes)
    - Premier lundi d'août (Journée de la Régate)
5. **Nouvelle-Écosse** : premier lundi d'août (congé statutaire)
6. **Ontario** :
    - troisième lundi de février (Jour de la Famille de l'Ontario)
    - premier lundi d'août (congé statutaire)
7. **L'Île-du-Prince-Edouard** : premier lundi d'août (congé civique)
8. **Québec** : 24 juin (Saint-Jean-Baptiste)
9. **Saskatchewan** : premier lundi d'août (Fête de la Saskatchewan)
10. **Yukon** : troisième lundi d'août (Journée de la Découverte)

When CIPO's Offices are closed for business

For the purposes of subsection 78(1) of the Patent Act and subsection 66(2) of the Trade-marks Act, CIPO's Offices are closed for business on the following days:

Jours de fermeture des bureaux de l'OPIC au public

Pour l'application des paragraphes 78(1) de la Loi sur les brevets et 66(2) de la Loi sur les marques de commerce, les bureaux de l'OPIC sont fermés au public les jours suivants :

- All Saturdays and Sundays
- New Year's Day (January 1)*
- Good Friday
- Easter Monday
- Victoria Day: First Monday immediately preceding May 25
- St. John the Baptist Day (June 24)*
- Canada Day (July 1)*
- Labour Day: First Monday in September
- Thanksgiving Day: Second Monday in October
- Remembrance Day (November 11)*
- Christmas Day (December 25)*
- Boxing Day (December 26)

If December 26 falls on a Saturday, CIPO's Offices will be closed on the following Monday. If December 26 falls on a Sunday or Monday, the Offices are closed on the following Tuesday.

* If any of these holidays fall on a Saturday or Sunday, the Offices will be closed on the following Monday.

- Tous les samedi et dimanche
- Jour de l'An (1er janvier)*
- Vendredi Saint
- Lundi de Pâques
- Fête de Victoria : premier lundi précédant le 25 mai
- Saint-Jean-Baptiste (le 24 juin)*
- Fête du Canada (1er juillet)*
- Fête du travail : premier lundi de septembre
- Jour de l'Action de grâces : deuxième lundi d'octobre
- Jour du souvenir (11 novembre)*
- Jour de Noël (25 décembre)*
- L'après-Noël (26 décembre)

Si le 26 décembre est un samedi, les bureaux de l'OPIC seront fermés le lundi suivant. S'il coïncide avec un dimanche ou un lundi, les bureaux le seront le mardi d'après.

* Si l'un ou l'autre de ces jours fériés est un samedi ou un dimanche, les bureaux des brevets et marques de commerce seront fermés le lundi suivant.

6. Procedures in case of an unexpected office closure at CIPO

In case of an **emergency**, CIPO will attempt to remain open for business and ensure that essential service to our clients continues with the least possible disruption or delay.

In view of the **date-sensitive nature** of intellectual property (IP), clients are advised to address important deadlines ahead of time to minimize the risk of affecting their IP rights. For the purposes of such deadlines, unless otherwise notified, clients should assume that all due dates remain in effect.

Whenever CIPO is closed for business, including closures due to extraordinary circumstances, CIPO considers **all time limits to be extended until the next day that it is open for business**. In such situations, mail delivered to CIPO or to the designated regional offices will be considered to be received on the date that CIPO re-opens for business, with the exception of correspondence addressed to the Registrar of Topographies.

There may also be instances in which the designated regional offices may be temporarily closed, yet CIPO remains open for business. In such situations, it remains the responsibility of CIPO's clients to ensure that all deadlines are respected.

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or electronically using the relevant links set out in section 2.2 of these correspondance procedures. Documents may continue to be faxed to CIPO at 819-953-CIPO (953-2476); however date-sensitive material requiring fee payment that is sent by fax must be accompanied by a VISA, MasterCard, or American Express credit card number, or CIPO

6. Procédures en cas de fermeture des bureaux

Dans une **situation d'urgence**, l'OPIC s'efforcera de demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

Étant donné **l'importance que revêtent les délais** en matière de propriété intellectuelle (PI), il est recommandé aux clients de minimiser les risques pouvant nuire à leurs droits en matière de PI en tenant compte à l'avance des dates limites importantes. En ce qui a trait aux délais prescrits, les clients doivent respecter toutes les dates d'échéance, à moins d'avis contraire.

Dans les cas où l'OPIC est fermé au public, y compris pour des raisons exceptionnelles, **les dates limites seront réputées être reportées au prochain jour où l'OPIC sera ouvert au public**. Le cas échéant, sauf pour la correspondance adressée au registraire des topographies, le courrier livré à l'OPIC ou aux bureaux régionaux désignés sera réputé avoir été reçu le jour où l'OPIC rouvre au public.

Il pourrait y avoir des cas où les bureaux régionaux seraient fermés temporairement, mais où l'OPIC resterait ouvert au public. Le cas échéant, les clients de l'OPIC demeurent responsables du respect de tous les échéanciers.

Les clients sont **fortement encouragés** à faire parvenir les documents assujettis à des délais précis par Postes Canada par Courrier recommandé^MC^, par Xpresspost^MC^ ou par voie électronique en utilsant les liens spécifiés à l'article 2.2 de ces procédures de correspondance. Il est toujours possible de télécopier des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des frais sont exigés, envoyés par

deposit account number.

When possible during an emergency, information and search systems will continue to be available on our website; however, services provided through the Client Service Centre and other support areas within CIPO may be temporarily unavailable. Should an emergency occur, CIPO will post information on our service interruptions as they become available and as circumstances permit.

7. Procedures when CIPO is open for business but clients are unable to communicate with the Office

Patents, Industrial Design, Copyright and Integrated Circuit Topography

The legislative framework in relation with the abovementioned types of intellectual property does not provide CIPO with the flexibility to extend deadlines when it is open for business but clients are unable to communicate with the Office.

In these situations it remains the responsibility of clients to ensure that all deadlines are respected.

Trademarks

The Trade-marks Act and Regulations does allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. For a retroactive extension of time to be granted, the Registrar of Trade-marks must be satisfied that the failure to do the act or apply for an extension of time before the original due date was not reasonably avoidable. A prescribed fee of $125 may be required in certain cases.

CIPO notes that Bill C-59 – Budget Implementation Act 2015, which received royal assent on June 23, 2015, contains provisions for extensions of time in Force Majeure-type situations (such as catastrophic events). CIPO has commenced work on regulatory amendments to the Patent Rules, Trade-Marks Regulations and the Industrial Design Regulations to bring Bill C-59 into force.

télécopieur, doivent être accompagnés d'un numéro de carte VISA, Mastercard ou American Express ou d'un numéro de compte de dépôt à l'OPIC.

En cas d'urgence, les systèmes d'information et de recherche seront, dans la mesure du possible, accessibles à partir de notre site Web; toutefois, les services fournis par le Centre de services à la clientèle et les autres services de soutien de l'OPIC pourraient temporairement ne pas être offerts. En cas d'urgence, l'OPIC affichera les renseignements nécessaires sur notre page d'interruptions des services lorsque ceux-ci seront disponibles et si les circonstances le permettent.

7. Procédures à suivre lorsque les clients sont incapables de communiquer avec les bureaux de l'Office de la propriété intellectuelle du Canada durant les heures d'ouverture

Brevets, dessins industriels, droit d'auteur et topographies de circuits intégrés

Le cadre législatif relié aux types de propriété intellectuelle mentionnés ci-haut ne permet pas à l'OPIC d'avoir la flexibilité de proroger les délais lors d'une journée ouvrable pendant laquelle les clients sont dans l'impossibilité de communiquer avec le bureau.

Dans une telle situation, les clients demeurent tenus de veiller à ce que les échéances soient respectées.

Marques de commerce

La Loi sur les marques de commerce et le Règlement sur les marques de commerce permettent aux clients de demander une prorogation rétroactive lorsqu'un délai n'a pas été respecté en raison d'une situation de force majeure. Pour qu'une prorogation rétroactive soit accordée, le registraire des marques de commerce doit être convaincu que l'omission d'accomplir l'acte ou de demander la prorogation avant la date initiale d'échéance n'était pas raisonnablement évitable. Un droit prescrit de 125 $ peut être exigé dans certains cas.

L'OPIC souligne que le projet de loi C-59 – Loi d'exécution du budget 2015, qui a reçu la sanction royale le 23 juin 2015, renferme des dispositions permettant la prorogation de délais dans des cas de force majeure (événements catastrophiques par exemple). L'OPIC a entamé des travaux visant à apporter des modifications réglementaires aux Règles sur les brevets, au Règlement sur les marques de commerce et au Règlement sur les dessins industriels afin de mettre le projet de loi C-59 en vigueur.

8. Intellectual property acts, rules and regulations

- Copyright Act
- Copyright Regulations
- Industrial Design Act
- Industrial Design Regulations
- Integrated Circuit Topography Act
- Integrated Circuit Topography Regulations
- Interpretation Act
- Patent Act
- Patent Rules
- Regulations under the PCT
- Trade-marks Regulations

8. Lois, règles et règlements sur la propriété intellectuelle

- Loi sur le droit d'auteur
- Règlement sur le droit d'auteur
- Loi sur les dessins industriels
- Règlement sur les dessins industriels
- Loi sur les topographies de circuits intégrés
- Règlement sur les topographies de circuits intégrés
- Loi d'interprétation
- Loi sur les brevets
- Règles sur les brevets
- Règlement d'exécution du PCT
- Règlement sur les marques de commerce

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of February 6, 2018 contains applications open to public inspection from January 21, 2018 to January 27, 2018.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 6 février 2018 contient les demandes disponibles au public pour consultation pour la période du 21 janvier 2018 au 27 janvier 2018.

Canadian Patents Issued

February 6, 2018

Brevets canadiens délivrés

6 février 2018

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[11] **2,508,880**
[13] C
[51] **Int.Cl. C12N 5/00 (2006.01) C12N 5/071 (2010.01) C12N 5/0735 (2010.01) C12N 5/02 (2006.01)**
[25] EN
[54] **METHODS OF PREPARING FEEDER CELLS-FREE, XENO-FREE HUMAN EMBRYONIC STEM CELLS AND STEM CELL CULTURES PREPARED USING SAME**
[54] **PROCEDES POUR PREPARER DES CELLULES SOUCHES EMBRYONNAIRES HUMAINES EXEMPTES DE CELLULES NOURRICIERES ET DE XENO-CONTAMINANTS ET CULTURES DE CELLULES SOUCHES PREPAREES AU MOYEN DE CES PROCEDES**
[72] AMIT, MICHAL, IL
[72] ITSKOVITZ-ELDOR, JOSEPH, IL
[73] TECHNION RESEARCH AND DEVELOPMENT FOUNDATION LTD., IL
[85] 2005-06-15
[86] 2003-12-07 (PCT/IL2003/001030)
[87] (WO2004/055155)
[30] US (60/433,619) 2002-12-16

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[11] **2,552,425**
[13] C
[51] **Int.Cl. G01N 33/564 (2006.01)**
[25] EN
[54] **METHOD OF ASSESSING RHEUMATOID ARTHRITIS BY MEASURING RHEUMATOID FACTOR AND INTERLEUKIN-6**
[54] **METHODE PERMETTANT D'EVALUER LA POLYARTHRITE RHUMATOIDE EN MESURANT LE TAUX DE FACTEUR RHUMATOIDE ET D'INTERLEUKINE 6**
[72] WILD, NORBERT, DE
[72] KARL, JOHANN, DE
[72] GRUNERT, VEIT PETER, DE
[72] ZOLG, WERNER, DE
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2006-07-04
[86] 2005-02-23 (PCT/EP2005/001862)
[87] (WO2005/085859)
[30] EP (04004536.1) 2004-02-27
[30] EP (04008586.2) 2004-04-08

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[11] **2,593,328**
[13] C
[51] **Int.Cl. G01N 33/68 (2006.01) G01N 33/86 (2006.01)**
[25] EN
[54] **METHODS AND ASSAYS FOR DISTINGUISHING BETWEEN DIFFERENT FORMS OF DISEASES AND DISORDERS CHARACTERIZED BY THROMBOCYTOPENIA AND/OR BY SPONTANEOUS INTERACTION BETWEEN VON WILLEBRAND FACTOR (VWF) AND PLATELETS**
[54] **METHODES ET ESSAIS POUR DISTINGUER DIFFERENTES FORMES DE MALADIES OU DE TROUBLES CARACTERISES PAR LA THROMBOCYTOPENIE ET/OU PAR L'INTERACTION SPONTANEE ENTRE LE FACTEUR VON WILLEBRAND (VWF) ET LES PLAQUETTES SANGUINES**
[72] DE GROOT, PHILIP G., NL
[72] FIJNHEER, ROB, NL
[72] LENTING, PETER J., NL
[72] SILENCE, KAREN, BE
[73] ABLYNX N.V., BE
[73] UMC UTRECHT HOLDING B.V., NL
[85] 2007-07-09
[86] 2006-01-13 (PCT/EP2006/000273)
[87] (WO2006/074947)
[30] US (60/644,414) 2005-01-14

[11] **2,604,181**
[13] C
[51] **Int.Cl. G06Q 40/04 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CALCULATING AN INTRADAY INDICATIVE VALUE OF LEVERAGED BULLISH AND BEARISH EXCHANGE TRADED FUNDS**
[54] **METHODE ET SYSTEME DE CALCUL DE LA VALEUR INTRAJOURNALIERE INDICATIVE DE FONDS COTES EN BOURSE HAUSSIERS ET BAISSIERS A EFFET DE LEVIER**
[72] SEALE, WILLIAM E., US
[72] LEE, TAEYONG, US
[73] PROFUND ADVISORS, LLC, US
[85] 2007-10-09
[86] 2006-04-06 (PCT/US2006/012717)
[87] (WO2006/108062)
[30] US (60/668,601) 2005-04-06
[30] US (60/719,985) 2005-09-26
[30] US (11/397,902) 2006-04-05

[11] **2,606,490**
[13] C
[51] **Int.Cl. A61K 48/00 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **GENE THERAPY FOR SPINAL CORD DISORDERS**
[54] **THERAPIE GENIQUE POUR TROUBLES DE LA MOELLE EPINIERE**
[72] DODGE, JAMES, US
[72] SHIHABUDDIN, LAMYA, US
[72] PASSINI, MARCO, US
[72] CHENG, SENG, US
[73] GENZYME CORPORATION, US
[85] 2007-10-29
[86] 2006-05-02 (PCT/US2006/016943)
[87] (WO2006/119341)
[30] US (60/677,213) 2005-05-02
[30] US (60/790,217) 2006-04-08

[11] **2,639,445**
[13] C
[51] **Int.Cl. A61B 17/04 (2006.01) A61F 2/848 (2013.01) A61F 2/06 (2013.01) A61L 17/00 (2006.01) B21F 11/00 (2006.01) B21F 25/00 (2006.01) B26D 3/08 (2006.01) B26D 3/12 (2006.01)**
[25] EN
[54] **METHOD OF FORMING BARBS ON A SUTURE**
[54] **PROCEDE PERMETTANT DE FORMER DES BARBELURES SUR UNE SUTURE**
[72] MAIORINO, NICHOLAS, US
[72] BUCHTER, MARK S., US
[72] COHEN, MATTHEW D., US
[72] PRIMAVERA, MICHAEL, US
[72] KOSA, TIMOTHY D., US
[73] TYCO HEALTHCARE GROUP LP, US
[86] (2639445)
[87] (2639445)
[22] 2008-09-10
[30] US (60/994,173) 2007-09-17
[30] US (12/178,361) 2008-07-23

[11] **2,659,535**
[13] C
[51] **Int.Cl. C12N 5/10 (2006.01) C08B 30/04 (2006.01) C12N 15/29 (2006.01) C12N 9/10 (2006.01) C12N 9/12 (2006.01)**
[25] EN
[54] **GENETICALLY MODIFIED PLANTS WHICH SYNTHESIZE A STARCH HAVING INCREASED SWELLING POWER**
[54] **PLANTES GENETIQUEMENT MODIFIEES SYNTHETISANT UN AMIDON A POUVOIR GONFLANT ACCRU**
[72] FROHBERG, CLAUS, DE
[73] BAYER INTELLECTUAL PROPERTY GMBH, DE
[85] 2009-01-30
[86] 2007-08-09 (PCT/EP2007/007282)
[87] (WO2008/017518)
[30] EP (EP06090134.5) 2006-08-09
[30] US (60/836,817) 2006-08-10

[11] **2,665,495**
[13] C
[51] **Int.Cl. C08G 18/71 (2006.01) C09D 175/04 (2006.01) C09J 175/04 (2006.01)**
[25] EN
[54] **PRIMER COMPOSITION FOR GLASS BONDING**
[54] **COMPOSITION D'AMORCE DESTINEE A LA LIAISON DU VERRE**
[72] MAHDI, SYED ZAFAR, US
[72] SEVIDAL-MARTE, SUSAN, US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2009-04-03
[86] 2007-10-02 (PCT/US2007/080168)
[87] (WO2008/045726)
[30] US (60/828,279) 2006-10-05

[11] **2,665,767**
[13] C
[51] **Int.Cl. F24F 12/00 (2006.01)**
[25] EN
[54] **METHOD FOR COUPLING TWO ADJACENT HEAT EXCHANGERS AND COUPLING UNIT FOR USE THEREIN**
[54] **PROCEDE POUR COUPLER DEUX ECHANGEURS THERMIQUES ADJACENTS ET UNITE DE COUPLAGE UTILISEE DANS LEDIT PROCEDE**
[72] MOOIJ, JOHANNES DIRK, NL
[73] MOOIJ, JOHANNES DIRK, NL
[85] 2009-04-06
[86] 2007-11-02 (PCT/NL2007/000275)
[87] (WO2008/054199)
[30] NL (1032801) 2006-11-02

[11] **2,672,965**
[13] C
[51] **Int.Cl. C07K 16/40 (2006.01)**
[25] EN
[54] **AMINO ACID SEQUENCES DIRECTED AGAINST A METALLOPROTEINASE FROM THE ADAM FAMILY AND POLYPEPTIDES COMPRISING THE SAME FOR THE TREATMENT OF ADAM-RELATED DISEASES AND DISORDERS**
[54] **SEQUENCES D'ACIDES AMINES DIRIGEES CONTRE UNE METALLOPROTEINASE DE LA FAMILLE ADAM ET POLYPEPTIDES LES COMPRENANT A DES FINS DE TRAITEMENT DE MALADIES ET TROUBLES LIES A ADAM**
[72] BLANCHETOT, CHRISTOPHE, NL
[72] SAUNDERS, MICHAEL JOHN SCOTT, BE
[72] DE HAARD, JOHANNES JOSEPH WILHELMUS, NL
[73] ABLYNX N.V., BE
[85] 2009-06-17
[86] 2007-12-19 (PCT/EP2007/064244)
[87] (WO2008/074840)
[30] US (60/875,834) 2006-12-19

[11] **2,678,708**
[13] C
[51] **Int.Cl. G02C 9/00 (2006.01) G02B 23/12 (2006.01)**
[25] EN
[54] **DUAL MOUNT ADAPTER**
[54] **ADAPTATEUR DE MONTAGE A DEUX FIXATIONS**
[72] PRENDERGAST, JONATHON R., US
[72] SOTO, RONALD R., US
[73] NOROTOS, INC., US
[86] (2678708)
[87] (2678708)
[22] 2009-09-15
[30] US (61/097,197) 2008-09-15

[11] **2,680,949**
[13] C
[51] **Int.Cl. A61B 17/34 (2006.01) F16L 5/02 (2006.01)**
[25] EN
[54] **VARIABLE SURGICAL ACCESS DEVICE**
[54] **DISPOSITIF D'ACCES POUR INSTRUMENT CHIRURGICAL VARIABLE**
[72] WIDENHOUSE, CHRISTOPHER W., US
[72] SHELTON, FREDERICK E., IV, US
[72] CROPPER, MICHAEL S., US
[72] TSONTON, MARK, US
[72] GILL, ROBERT P., US
[72] VOEGELE, JAMES WALDEN, US
[72] MURRAY, MICHAEL A., US
[72] HESS, CHRISTOPHER J., US
[72] WEISENBURGH, WILLIAM BRUCE, II, US
[73] ETHICON ENDO-SURGERY, INC., US
[86] (2680949)
[87] (2680949)
[22] 2009-09-29
[30] US (12/242,726) 2008-09-30

[11] **2,684,516**
[13] C
[51] **Int.Cl. G01C 11/00 (2006.01) G01C 22/00 (2006.01) G03B 15/00 (2006.01) G03B 37/00 (2006.01) H04N 5/232 (2006.01)**
[25] EN
[54] **METHOD OF OBTAINING GEOGRAPHICALLY RELATED IMAGES USING A VEHICLE**
[54] **PROCEDE D'OBTENTION D'IMAGES GEOGRAPHIQUEMENT LIEES UTILISANT UN VEHICULE**
[72] HACK, JEFFREY, CA
[73] ILOOKABOUT INC., CA
[85] 2009-10-19
[86] 2008-04-22 (PCT/CA2008/000745)
[87] (WO2008/128348)
[30] US (60/913,291) 2007-04-22

[11] **2,688,055**
[13] C
[51] **Int.Cl. C12N 15/09 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **INKJET GENE PRINTING**
[54] **IMPRESSION DE GENE PAR JET D'ENCRE**
[72] XU, TAO, US
[72] YOO, JAMES, US
[72] ATALA, ANTHONY, US
[73] WAKE FOREST UNIVERSITY HEALTH SCIENCES, US
[85] 2009-11-24
[86] 2008-06-06 (PCT/US2008/007158)
[87] (WO2008/153968)
[30] US (60/942,549) 2007-06-07

[11] **2,694,539**
[13] C
[51] **Int.Cl. A61B 34/00 (2016.01) G06F 3/0484 (2013.01) A61F 9/007 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR A SIMPLE GRAPHICAL INTERFACE**
[54] **SYSTEME ET PROCEDE POUR UNE INTERFACE GRAPHIQUE SIMPLIFIEE**
[72] BOUKHNY, MIKHAIL, US
[73] ALCON, INC., CH
[85] 2010-01-25
[86] 2008-06-20 (PCT/US2008/067671)
[87] (WO2009/023376)
[30] US (11/838,994) 2007-08-15

[11] **2,704,964**
[13] C
[51] **Int.Cl. H04L 12/833 (2013.01) H04L 12/803 (2013.01) H04L 12/851 (2013.01) H04L 29/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IMPROVED IN-BROWSER NOTIFICATION**
[54] **SYSTEME ET METHODE DE NOTIFICATION AMELIOREE DANS UN NAVIGATEUR WEB**
[72] MODY, NIRMAL, US
[72] AVIRNENI, SRINI, US
[72] VAN LIEU, BRIAN, US
[73] COMCAST CABLE COMMUNICATIONS, LLC, US
[86] (2704964)
[87] (2704964)
[22] 2010-05-20
[30] US (12/488,264) 2009-06-19

[11] **2,706,141**
[13] C
[51] **Int.Cl. B60D 1/64 (2006.01) B62D 63/08 (2006.01)**
[25] EN
[54] **VISUAL SIGNALING INDICATOR AND ASSEMBLY FOR A TRACTOR TRAILER**
[54] **INDICATEUR ET ENSEMBLE VISUEL POUR REMORQUE DE TRACTEUR**
[72] EHRLICH, RODNEY P., US
[72] PICKUP, DAVID, US
[73] WABASH NATIONAL, L.P., US
[86] (2706141)
[87] (2706141)
[22] 2010-06-04
[30] US (61/184,604) 2009-06-05

[11] **2,712,337**
[13] C
[51] **Int.Cl. B62D 11/10 (2006.01) B60F 3/00 (2006.01) B62D 11/08 (2006.01) F16H 48/22 (2006.01) F16H 48/30 (2012.01) F16H 57/08 (2006.01)**
[25] EN
[54] **VEHICLE DRIVE TRANSMISSION AND STEERING SYSTEM**
[54] **SYSTEME DE TRANSMISSION ET DE DIRECTION DE VEHICULE**
[72] VISSCHER, PETER D., CA
[73] ONTARIO DRIVE & GEAR LIMITED, CA
[86] (2712337)
[87] (2712337)
[22] 2010-08-06
[30] GB (GB-0913929.6) 2009-08-10

[11] **2,712,838**
[13] C
[51] **Int.Cl. B29C 45/14 (2006.01) B22F 3/00 (2006.01) B29C 65/70 (2006.01)**
[25] EN
[54] **CLINCHING DURING MOLDING PROCESS**
[54] **RIVE PENDANT MOULAGE**
[72] WOJTASZEK, HENRY J., US
[72] MCPHEE, JOEL, CA
[72] SMITH, PAUL, CA
[73] MAGNA INTERNATIONAL INC., CA
[86] (2712838)
[87] (2712838)
[22] 2010-08-13
[30] US (61/274,274) 2009-08-14

[11] **2,713,034**
[13] C
[51] **Int.Cl. H04L 12/16 (2006.01)**
[25] EN
[54] **SYSTEM FOR TARGETTING SPECIFIC USERS TO DISCUSSION THREADS**
[54] **SYSTEME DE CIBLAGE DES UTILISATEURS SPECIFIQUES AUX FILS DE DISCUSSION**
[72] NGUYEN, DAVID T., US
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
[86] (2713034)
[87] (2713034)
[22] 2010-08-11
[30] US (12/542,486) 2009-08-17

[11] **2,713,214**
[13] C
[51] **Int.Cl. A61L 31/12 (2006.01) A61B 17/03 (2006.01) A61L 31/14 (2006.01) A61L 31/16 (2006.01)**
[25] EN
[54] **BIODEGRADABLE NERVE GUIDES**
[54] **GUIDES NERVEUX BIODEGRADABLES**
[72] HOKE, AHMET, US
[72] LIM, SHAWN HWEI-IN, US
[72] LIU, XINGYU, US
[72] MAO, HAI-QUAN, US
[73] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2010-07-26
[86] 2009-01-26 (PCT/US2009/000535)
[87] (WO2009/094225)
[30] US (61/062,434) 2008-01-25

[11] **2,715,591**
[13] C
[51] **Int.Cl. F02C 7/28 (2006.01) F01D 25/14 (2006.01) F01D 25/24 (2006.01) F01D 25/28 (2006.01) F02C 7/12 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE THERMAL EXPANSION JOINT**
[54] **JOINT DE DILATATION POUR TURBINE A GAZ**
[72] DUROCHER, ERIC, CA
[72] LEFEBVRE, GUY, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2715591)
[87] (2715591)
[22] 2010-09-24
[30] US (12/571,909) 2009-10-01

[11] **2,715,605**
[13] C
[51] **Int.Cl. F01D 9/02 (2006.01) F01D 5/14 (2006.01) F01D 5/18 (2006.01) F01D 5/30 (2006.01) F01D 25/28 (2006.01)**
[25] EN
[54] **FABRICATED GAS TURBINE VANE RING**
[54] **ANNEAU D'AUBAGE FIXE DE TURBINE A GAZ ASSEMBLE**
[72] DUROCHER, ERIC, CA
[72] NGUYEN, LAM, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2715605)
[87] (2715605)
[22] 2010-09-24
[30] US (12/571,802) 2009-10-01

[11] **2,719,207**
[13] C
[51] **Int.Cl. A61B 17/072 (2006.01)**
[25] EN
[54] **SURGICAL STAPLER**
[54] **AGRAFEUSE CHIRURGICALE**
[72] JOHNSON, PAUL ANTHONY, GB
[72] EDWARDS, DANIEL ROBERT MORGAN, US
[73] TYCO HEALTHCARE GROUP LP, US
[86] (2719207)
[87] (2719207)
[22] 2010-10-28
[30] US (61/258,246) 2009-11-05
[30] US (12/899,155) 2010-10-06

[11] **2,721,799**
[13] C
[51] **Int.Cl. G01N 1/28 (2006.01) G01N 1/38 (2006.01) G01N 21/77 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **INTEGRATED SHEAR-VERTICAL SURFACE ACOUSTIC WAVE AND SURFACE PLASMON RESONANCE SENSING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE INTEGRE DE DETECTION D'ONDE ACOUSTIQUE DE SURFACE A CISAILLEMENT VERTICAL ET DE DETECTION DE RESONANCE DE PLASMONS DE SURFACE**
[72] CHARETTE, PAUL, CA
[72] RENAUDIN, ALAN, CA
[72] CHABOT, VINCENT, CA
[72] GRONDIN, ETIENNE, CA
[72] AIMEZ, VINCENT, CA
[73] SOCIETE DE COMMERCIALISATION DES PRODUITS DE LA RECHERCHE APPLIQUEE - SOCPRA-SCIENCES ET GENIE S.E.C., CA
[85] 2010-10-18
[86] 2009-04-23 (PCT/CA2009/000550)
[87] (WO2009/129628)
[30] US (61/071,340) 2008-04-23

[11] **2,722,228**
[13] C
[51] **Int.Cl. C08L 69/00 (2006.01)**
[25] EN
[54] **IMPACT-MODIFIED POLYCARBONATE COMPOSITIONS WITH HIGH HYDROLYSIS RESISTANCE AND A LIGHT NATURAL COLOUR**
[54] **COMPOSITIONS POLYCARBONATE A RESILIENCE MODIFIEE, A HAUTE RESISTANCE HYDROLYTIQUE ET A COULEUR NATURELLE CLAIRE**
[72] AVTOMONOV, EVGENY, DE
[72] SEIDEL, ANDREAS, DE
[72] ECKEL, THOMAS, DE
[72] WENZ, ECKHARD, DE
[73] BAYER MATERIALSCIENCE AG, DE
[85] 2010-10-21
[86] 2009-04-17 (PCT/EP2009/002811)
[87] (WO2009/129962)
[30] DE (10 2008 020 437.4) 2008-04-24

[11] **2,723,073**
[13] C
[51] **Int.Cl. G05B 19/042 (2006.01) G06Q 50/06 (2012.01) F25D 29/00 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **ENERGY MANAGEMENT OF HOUSEHOLD APPLIANCES**
[54] **GESTION D'ENERGIE D'APPAREILS ELECTROMENAGERS**
[72] WATSON, ERIC K., US
[72] RAFALOVICH, ALEXANDER PINKUS, US
[72] COOPER, ANTHONY A., US
[72] SEVERANCE, MARTIN CHRISTOPHER, US
[72] BISSIG, CHRISTOPHER GEORGE, US
[72] HAMEL, TIMOTHY ALLEN, US
[72] BARKSDALE, RITA, US
[72] HARRY, TELEMA, US
[72] LOBOS, ALEX FERNANDO, US
[73] HAIER US APPLIANCE SOLUTIONS, INC., US
[85] 2010-10-29
[86] 2009-09-15 (PCT/US2009/056911)
[87] (WO2010/031027)
[30] US (61/097,082) 2008-09-15

[11] **2,724,208**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 31/18 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **AMINO ACID SEQUENCES DIRECTED AGAINST CXCR4 AND OTHER GPCRS AND COMPOUNDS COMPRISING THE SAME**
[54] **SEQUENCES D'ACIDES AMINES DIRIGEES CONTRE CXCR4 ET AUTRES GPCR ET COMPOSES RENFERMANT CES DERNIERES**
[72] BLANCHETOT, CHRISTOPHE, NL
[72] SMIT, MARTINE, NL
[72] LEURS, REGORIUS, NL
[72] JAEHNICHEN, SVEN, DE
[72] SAUNDERS, MICHAEL JOHN SCOTT, BE
[72] DE HAARD, JOHANNES JOSEPH WILHELMUS, NL
[72] VANLANDSCHOOT, PETER, BE
[73] ABLYNX NV, BE
[85] 2010-11-12
[86] 2009-05-18 (PCT/EP2009/056026)
[87] (WO2009/138519)
[30] US (61/053,847) 2008-05-16
[30] US (61/102,142) 2008-10-02

[11] **2,724,209**
[13] C
[51] **Int.Cl. G02B 6/255 (2006.01) B23K 26/073 (2006.01)**
[25] EN
[54] **DEVICE FOR JOINING AND TAPERING FIBRES OR OTHER OPTICAL COMPONENTS**
[54] **SYSTEME POUR REALISER UN RACCORD ET UNE TRANSITION PROGRESSIVE ENTRE DES FIBRES OU D'AUTRES COMPOSANTS OPTIQUES**
[72] BOEHME, STEFFEN, DE
[72] PESCHEL, THOMAS, DE
[72] EBERHARDT, RAMONA, DE
[72] TUNNERMANN, ANDREAS, DE
[72] LIMPERT, JENS, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2010-11-12
[86] 2009-05-19 (PCT/EP2009/003800)
[87] (WO2009/141168)
[30] DE (10 2008 024 136.9) 2008-05-19

[11] **2,725,007**
[13] C
[51] **Int.Cl. F41H 7/02 (2006.01) F41H 5/20 (2006.01) F41H 5/22 (2006.01)**
[25] EN
[54] **VEHICLE PROVIDED WITH REVOLVING TURRET**
[54] **VEHICULE EQUIPE D'UNE TOURELLE TOURNANTE**
[72] ADORNI, ANDREA, IT
[72] CHIAPPINI, ANDREA, IT
[73] OTO MELARA S.P.A., IT
[86] (2725007)
[87] (2725007)
[22] 2010-12-06

[11] **2,726,485**
[13] C
[51] **Int.Cl. H05B 41/36 (2006.01)**
[25] EN
[54] **DIMMING FLUORESCENT BALLAST SYSTEM WITH SHUTDOWN CONTROL CIRCUIT**
[54] **SYSTEME DE BALLAST FLUORESCENT DE GRADATION AVEC CIRCUIT DE COMMANDE D'INTERRUPTION**
[72] MANGIARACINA, ANTHONY, US
[73] NEXTEK POWER SYSTEMS, INC., US
[85] 2010-11-30
[86] 2009-03-20 (PCT/US2009/037797)
[87] (WO2010/005608)
[30] US (12/214,042) 2008-06-16

[11] **2,726,644**
[13] C
[51] **Int.Cl. A61K 31/496 (2006.01) A61K 31/519 (2006.01) A61P 1/16 (2006.01) A61P 3/10 (2006.01) A61P 9/00 (2006.01) A61P 11/06 (2006.01) A61P 17/06 (2006.01) A61P 19/02 (2006.01) A61P 25/02 (2006.01) A61P 27/02 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMBINATION COMPRISING 3-Z-[L-(4-(N-((4-METHYL-PIPERAZIN-L-YL)-METHYLCARBONYL)-N-METHYL-AMINO)-ANILINO)-L-PHENYL-METHYLENE]-6-METHOXYCARBONYL-2-INDOLINONE AND PEMETREXED, AND USE THEREOF IN CANCER TREATMENT**
[54] **COMBINAISON PHARMACEUTIQUE RENFERMANT DU 3-Z-[L-(4-(N-((4-METHYL-PIPERAZIN-L-YL)-METHYLCARBONYL)-N-METHYL-AMINO)-ANILINO)-L-PHENYL-METHYLENE]-6-METHOXYCARBONYL-2-INDOLINONE ET PEMETREXE, ET SON UTILISATION DANS LE TRAITEMENT DU CANCER**
[72] STEFANIC, MARTIN FRIEDRICH, DE
[72] HILBERG, FRANK, DE
[72] KAISER, ROLF, DE
[72] SHAPIRO, DAVID, US
[73] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2010-12-01
[86] 2009-06-04 (PCT/EP2009/056891)
[87] (WO2009/147218)
[30] EP (08157749.6) 2008-06-06
[30] US (61/078,882) 2008-07-08

[11] **2,726,983**
[13] C
[51] **Int.Cl. B25J 9/06 (2006.01) A61B 34/30 (2016.01) A61B 1/008 (2006.01)**
[25] EN
[54] **EXTENDABLE ARTICULATED PROBE DEVICE**
[54] **DISPOSITIF DE SONDE ARTICULEE EXTENSIBLE**
[72] ZUBIATE, BRETT, US
[72] CHOSET, HOWARD, US
[73] CARNEGIE MELLON UNIVERSITY, US
[85] 2010-12-03
[86] 2009-06-05 (PCT/US2009/046508)
[87] (WO2009/149421)
[30] US (61/059,171) 2008-06-05

[11] **2,732,968**
[13] C
[51] **Int.Cl. B01J 13/02 (2006.01) A61K 8/11 (2006.01) A61Q 5/00 (2006.01) C11D 7/26 (2006.01)**
[25] EN
[54] **A FRAGRANCE-DELIVERY COMPOSITION COMPRISING BORON AND PERSULFATE ION-CROSSLINKED POLYVINYL ALCOHOL MICROCAPSULES AND METHOD OF USE THEREOF**
[54] **COMPOSITION DE DIFFUSION DE PARFUM CONTENANT DES MICROCAPSULES D'ALCOOL POLYVINYLIQUE RETICULE PAR DES IONS DE BORE OU DE PERSULFATE ET PROCEDE D'UTILISATION ASSOCIE**
[72] BOBNOCK, ROBERT STANLEY, US
[73] ENCAPSYS, LLC, US
[85] 2011-02-03
[86] 2009-10-09 (PCT/US2009/005565)
[87] (WO2010/044834)
[30] US (12/289,010) 2008-10-17

[11] **2,734,068**
[13] C
[51] **Int.Cl. B66F 9/04 (2006.01) B65F 1/12 (2006.01) B65F 3/04 (2006.01) B66F 11/00 (2006.01)**
[25] EN
[54] **SWING-AWAY REFUSE RECEPTACLE LIFT**
[54] **DISPOSITIF DE LEVAGE ESCAMOTABLE DE RECIPIENT A DECHETS**
[72] APPLEWHITE, BLAKE F., US
[72] ANDERSON, BRYAN D., US
[73] THE HEIL CO., US
[86] (2734068)
[87] (2734068)
[22] 2011-03-15
[30] US (61/314,346) 2010-03-16
[30] US (13/046,878) 2011-03-14

---

[11] **2,736,541**
[13] C
[51] **Int.Cl. B01D 63/02 (2006.01) B01D 63/04 (2006.01) C02F 1/44 (2006.01)**
[25] EN
[54] **CAPILLARY MEMBRANE FILTRARTION MODULE WITH HEADERS OF UNEVEN HEIGHTS**
[54] **MODULE DE FILTRATION A MEMBRANE CAPILLAIRE DOTE DE TETES A AMORCES INEGALES**
[72] DOYEN, WIM, BE
[72] MOLENBERGHS, BART, BE
[72] MELIN, THOMAS, NL
[73] VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK (VITO), BE
[85] 2011-03-09
[86] 2009-10-05 (PCT/EP2009/062891)
[87] (WO2010/037868)
[30] EP (08165837.9) 2008-10-03

---

[11] **2,742,083**
[13] C
[51] **Int.Cl. F41A 9/73 (2006.01) B63G 3/00 (2006.01) B63G 8/28 (2006.01) F41F 3/00 (2006.01) F42B 39/28 (2006.01)**
[25] EN
[54] **STORAGE SYSTEM FOR ARTILLERY AMMUNITION AND ASSOCIATED COMPUTER PROGRAM**
[54] **SYSTEME DE STOCKAGE DE MUNITIONS D'ARTILLERIE ET PROGRAMME INFORMATIQUE CONNEXE**
[72] BRUSCHI, ANDREA, IT
[72] CHIAPPINI, ANDREA, IT
[73] OTO MELARA SPA, IT
[86] (2742083)
[87] (2742083)
[22] 2011-05-31
[30] IT (TO2010A000482) 2010-06-08

---

[11] **2,744,625**
[13] C
[51] **Int.Cl. G07B 15/06 (2011.01) G01V 13/00 (2006.01)**
[25] EN
[54] **RF-LINK MARGIN MEASUREMENT METHOD AND SYSTEM**
[54] **METHODE ET SYSTEME DE MESURE DE LA MARGE DE LIAISON RF**
[72] TERRIER, DANIEL, CA
[73] KAPSCH TRAFFICCOM AG, AT
[86] (2744625)
[87] (2744625)
[22] 2011-06-28

---

[11] **2,744,769**
[13] C
[51] **Int.Cl. H01Q 19/00 (2006.01) G01V 3/12 (2006.01) H01Q 7/00 (2006.01) H04B 1/59 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MULTIPLE READING INTERFACE WITH A SIMPLE RFID ANTENNA**
[54] **SYSTEME ET PROCEDE POUR L'INTERFACE DE LECTURES MULTIPLES AVEC UNE UNE SIMPLE ANTENNE RFID**
[72] BARRY, FABIEN, FR
[72] COLLOMBON, JAN-MANUEL, FR
[72] FORNIER, NICOLAS, FR
[73] PSION INC., CA
[86] (2744769)
[87] (2744769)
[22] 2011-06-30
[30] EP (10305924.2) 2010-08-27

---

[11] **2,745,221**
[13] C
[51] **Int.Cl. C08G 65/40 (2006.01) C08L 71/10 (2006.01)**
[25] EN
[54] **HIGH TEMPERATURE MELT PROCESSABLE SEMI-CRYSTALLINE POLY (ARYL ETHER KETONE) CONTAINING A (4-HYDROXYPHENYL) PHTHALAZIN-1(2H)-ONE COMONOMER UNIT**
[54] **POLY(ARYLETHERCETONE) SEMI-CRISTALLINE TRANSFORMABLE A L'ETAT FONDU A HAUTE TEMPERATURE CONTENANT UN MOTIF COMONOMERE DE (4-HYDROXYPHENYL)PHTALAZIN-1(2H)-ONE**
[72] WANG, YI-FENG, US
[72] HSU, TIM, US
[72] HAY, ALLAN S., CA
[73] POLYMICS, LTD, US
[85] 2011-05-31
[86] 2009-10-30 (PCT/US2009/005902)
[87] (WO2010/062361)
[30] US (61/197,981) 2008-10-31

[11] **2,745,467**
[13] C
[51] **Int.Cl. A61M 1/00 (2006.01) A61L 27/58 (2006.01) A61M 27/00 (2006.01)**
[25] EN
[54] **MEMBRANES, SYSTEMS, AND METHODS FOR APPLYING REDUCED PRESSURE TO A SUBCUTANEOUS TISSUE SITE**
[54] **MEMBRANES, SYSTEMES ET PROCEDES POUR APPLIQUER UNE PRESSION REDUITE A UN SITE TISSULAIRE SOUS-CUTANE**
[72] KAGAN, JONATHAN, US
[72] CORNET, DOUGLAS A., US
[73] KCI LICENSING, INC., US
[85] 2011-06-01
[86] 2009-12-21 (PCT/US2009/069063)
[87] (WO2010/075313)
[30] US (61/140,657) 2008-12-24

---

[11] **2,746,397**
[13] C
[51] **Int.Cl. F01D 9/02 (2006.01) F01D 5/18 (2006.01) F01D 25/12 (2006.01)**
[25] EN
[54] **HIGH PRESSURE TURBINE VANE COOLING HOLE DISTRIBUTION**
[54] **REPARTITION DES TROUS DE REFROIDISSEMENT DANS LES AUBES D'UNE TURBINE HAUTE PRESSION**
[72] DI PAOLA, FRANCO, CA
[72] LEBEL, LARRY, CA
[72] DOYON, FRANCOIS, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2746397)
[87] (2746397)
[22] 2011-07-15
[30] US (12/838,720) 2010-07-19

---

[11] **2,747,310**
[13] C
[51] **Int.Cl. A61K 31/557 (2006.01) A61K 31/727 (2006.01) A61K 39/395 (2006.01) A61P 29/00 (2006.01) A61P 31/04 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **METHODS OF IDENTIFYING CRITICALLY ILL PATIENTS AT INCREASED RISK OF DEVELOPMENT OF ORGAN FAILURE AND COMPOUNDS FOR THE TREATMENT HEREOF**
[54] **DETECTION DE PATIENTS DANS UN ETAT CRITIQUE PRESENTANT UN RISQUE ACCRU DE DEVELOPPER UNE DEFAILLANCE VISCERALE ET COMPOSES POUR LES TRAITER**
[72] JOHANSSON, PAER, SE
[72] OSTROWSKI, SISSE RYE, DK
[73] ENDOTHEL PHARMA APS, DK
[85] 2011-06-16
[86] 2009-12-30 (PCT/DK2009/050357)
[87] (WO2010/075861)
[30] DK (PA 2008 01844) 2008-12-30
[30] US (61/161,487) 2009-03-19

---

[11] **2,748,075**
[13] C
[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **SEED METERING CASSETTE FOR SEEDING IMPLEMENT**
[54] **CASSETTE DOSEUSE DE GRAINES POUR SEMOIR**
[72] FRIGGSTAD, TERRANCE A., CA
[73] CNH INDUSTRIAL CANADA, LTD., CA
[86] (2748075)
[87] (2748075)
[22] 2011-08-09
[30] US (12/985,497) 2011-01-06

---

[11] **2,749,187**
[13] C
[51] **Int.Cl. A23L 7/104 (2016.01) A21D 8/04 (2006.01)**
[25] EN
[54] **ENZYMATIC GENERATION OF FUNCTIONAL LIPIDS FROM CEREALS OR CEREAL BI-STREAMS**
[54] **GENERATION ENZYMATIQUE DE LIPIDES FONCTIONNELS A PARTIR DE CEREALES OU DE BI-SOUCHES DE CEREALE**
[72] SOERENSEN, JENS FRISBAEK, DK
[72] MIKKELSEN, RENE, DK
[72] POULSEN, CHARLOTTE HORSMANS, DK
[72] KRAGH, KARSTEN MATTHIAS, DK
[73] DUPONT NUTRITION BIOSCIENCES APS, DK
[85] 2011-07-07
[86] 2010-01-15 (PCT/EP2010/050445)
[87] (WO2010/081869)
[30] EP (09150744.2) 2009-01-16
[30] US (61/145,366) 2009-01-16
[30] EP (09151352.3) 2009-01-26
[30] US (61/147,412) 2009-01-26
[30] EP (09157090.3) 2009-04-01

---

[11] **2,749,319**
[13] C
[51] **Int.Cl. C07K 14/68 (2006.01) A61K 38/34 (2006.01)**
[25] EN
[54] **MELANOCORTIN ANALOGS WITH ANTIMICROBIAL ACTIVITY**
[54] **ANALOGUES DE MELANOCORTINES PRESENTANT UNE ACTIVITE ANTIMICROBIENNE**
[72] CATANIA, ANNA, IT
[72] BONINO, FERRUCCIO, IT
[72] GRIECO, PAOLO, IT
[72] NOVELLINO, ETTORE, IT
[73] FONDAZIONE IRCCS CA' GRANDA - OSPEDALE MAGGIORE POLICLINICO, IT
[85] 2011-07-11
[86] 2009-01-19 (PCT/EP2009/000290)
[87] (WO2010/081492)

[11] **2,753,053**
[13] C
[51] **Int.Cl. E04F 19/00 (2006.01) B24B 23/02 (2006.01) H02G 3/12 (2006.01)**
[25] EN
[54] **SANDING SHIELD FOR IN-WALL COMPONENTS**
[54] **DISPOSITIF DE PROTECTION CONTRE LE PONCAGE POUR ELEMENTS ENCASTRES DANS UN MUR**
[72] STRUTHERS, SCOTT, US
[72] CALL, RAY, US
[72] SNYDER, NICK, US
[72] FETTER, GREG, US
[73] DANA INNOVATIONS, US
[86] (2753053)
[87] (2753053)
[22] 2011-09-23
[30] US (12/889,341) 2010-09-23

---

[11] **2,755,003**
[13] C
[51] **Int.Cl. C03C 17/34 (2006.01) B32B 17/06 (2006.01)**
[25] EN
[54] **THIN FILM COATING AND METHOD OF MAKING THE SAME**
[54] **REVETEMENT EN FILM MINCE ET SON PROCEDE DE FABRICATION**
[72] CORDING, CHRISTOPHER R., US
[72] TIXHON, ERIC, BE
[72] SCHUTZ, ALAIN, BE
[73] AGC FLAT GLASS NORTH AMERICA, INC., US
[73] AGC GLASS EUROPE, BE
[85] 2011-09-08
[86] 2010-03-18 (PCT/US2010/027806)
[87] (WO2010/107998)
[30] US (61/161,186) 2009-03-18
[30] US (61/231,209) 2009-08-04

---

[11] **2,756,237**
[13] C
[51] **Int.Cl. H04N 21/236 (2011.01) H04N 21/254 (2011.01) H04N 21/2665 (2011.01) H04N 21/85 (2011.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND APPARATUSES FOR ENHANCING VIDEO ADVERTISING WITH INTERACTIVE CONTENT**
[54] **SYSTEMES, PROCEDES ET APPAREILS D'AMELIORATION DE PUBLICITE VIDEO PAR DU CONTENU INTERACTIF**
[72] SLOTHOUBER, LOUIS P., US
[72] YE, AARON, US
[73] FOURTHWALL MEDIA, INC., US
[85] 2011-09-22
[86] 2010-03-31 (PCT/US2010/029374)
[87] (WO2010/114889)
[30] US (61/165,852) 2009-04-01

---

[11] **2,756,439**
[13] C
[51] **Int.Cl. A47B 31/00 (2006.01) A47B 31/02 (2006.01) A47B 31/06 (2006.01) B62B 3/00 (2006.01)**
[25] EN
[54] **SERVICE CART**
[54] **CHARIOT DE SERVICE**
[72] BOIVIN, MATHIEU, CA
[72] BELANGER, MARTIN, CA
[72] GAUTHIER, MARTIN, CA
[73] NORDUYN INC., CA
[85] 2011-05-27
[86] 2009-12-07 (PCT/CA2009/001771)
[87] (WO2010/063120)
[30] US (61/120,477) 2008-12-07
[30] US (61/120,502) 2008-12-08

---

[11] **2,757,415**
[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4365 (2006.01) A61K 31/437 (2006.01) A61K 31/4725 (2006.01) C07D 401/06 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01) C07D 495/04 (2006.01)**
[25] EN
[54] **AUTOTAXIN INHIBITORS**
[54] **INHIBITEURS DE L'AUTOTAXINE**
[72] SCHULTZ, MELANIE, DE
[72] SCHIEMANN, KAI, DE
[72] STAEHLE, WOLFGANG, DE
[73] MERCK PATENT GMBH, DE
[85] 2011-09-30
[86] 2010-03-09 (PCT/EP2010/001457)
[87] (WO2010/112124)
[30] EP (09004866.1) 2009-04-02

---

[11] **2,759,430**
[13] C
[51] **Int.Cl. H02J 3/12 (2006.01) F03D 9/11 (2016.01) H02J 15/00 (2006.01)**
[25] EN
[54] **ELECTRICAL ENERGY-GENERATING INSTALLATION DRIVEN AT VARIABLE ROTATIONAL SPEEDS, WITH A CONSTANT OUTPUT FREQUENCY, ESPECIALLY A WIND POWER INSTALLATION**
[54] **INSTALLATION DE PRODUCTION D'ENERGIE ELECTRIQUE A VITESSE DE ROTATION VARIABLE, A FREQUENCE DE SORTIE CONSTANTE, EN PARTICULIER UNE EOLIENNE**
[72] HEHENBERGER, GERALD, AT
[73] HEHENBERGER, GERALD, AT
[85] 2011-10-19
[86] 2010-04-20 (PCT/EP2010/002407)
[87] (WO2010/121783)
[30] AT (A 604/2009) 2009-04-20

---

[11] **2,759,847**
[13] C
[51] **Int.Cl. C12N 15/29 (2006.01) C07K 14/415 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **RAPESEED GENE FOR HEAT SHOCK PROTEIN HSP17.8 AND USE THEREOF**
[54] **GENE HSP17.8 DE PROTEINE DE CHOC THERMIQUE DU COLZA ET SES UTILISATIONS**
[72] WANG, HANZHONG, CN
[72] HUA, WEI, CN
[72] LIU, JING, CN
[72] LIU, GUIHUA, CN
[72] WANG, XINFA, CN
[72] YANG, QING, CN
[73] OILCROPS RESEARCH INSTITUTE, CAAS, CN
[85] 2011-10-24
[86] 2010-04-19 (PCT/CN2010/071877)
[87] (WO2010/121533)
[30] CN (200910061810.7) 2009-04-24

[11] **2,763,804**
[13] C
[51] **Int.Cl. A61K 33/00 (2006.01) A61K 9/10 (2006.01)**
[25] EN
[54] **NITRIC OXIDE THERAPIES**
[54] **THERAPIES PAR OXYDE NITRIQUE**
[72] FINE, DAVID H., US
[73] GENO LLC, US
[85] 2011-11-28
[86] 2010-06-21 (PCT/US2010/039320)
[87] (WO2010/151505)
[30] US (61/219,200) 2009-06-22

---

[11] **2,764,230**
[13] C
[51] **Int.Cl. A61K 47/54 (2017.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **PROTEINS MODIFIED WITH (AMINO) MONOSACCHARIDE-BIOTIN ADDUCT**
[54] **PROTEINES MODIFIEES RENFERMANT UN ADDUIT (AMINO)-MOSACCHARIDE-BIOTINE**
[72] PITCOVSKI, JACOB, IL
[72] VAYA, JACOB, IL
[72] KHATIB, SOLIMAN, IL
[72] AIZENSHTEIN, ELINA, IL
[72] GEFEN, TAL, IL
[73] GAVISH-GALILEE BIO APPLICATIONS LTD, IL
[85] 2011-12-01
[86] 2010-06-06 (PCT/IL2010/000446)
[87] (WO2010/140154)
[30] US (61/184,113) 2009-06-04

---

[11] **2,765,976**
[13] C
[51] **Int.Cl. A61B 18/12 (2006.01) A61B 5/0402 (2006.01)**
[25] EN
[54] **PREVENTION OF SAFETY HAZARDS DUE TO LEAKAGE CURRENT**
[54] **PREVENTION DES RISQUES D'ACCIDENTS ATTRIBUABLES AUX COURANTS DE FUITE**
[72] LEVIN, MICHAEL, IL
[72] GOVARI, ASSAF, IL
[72] EPHRATH, YARON, IL
[72] ALTMANN, ANDRES CLAUDIO, IL
[73] BIOSENSE WEBSTER (ISRAEL), INC., IL
[86] (2765976)
[87] (2765976)
[22] 2012-01-27
[30] US (13/018,773) 2011-02-01

---

[11] **2,766,793**
[13] C
[51] **Int.Cl. A47B 96/20 (2006.01) A47B 55/00 (2006.01) A47B 96/06 (2006.01) A47C 5/12 (2006.01) A47C 19/00 (2006.01) F16B 12/00 (2006.01)**
[25] EN
[54] **SHELVING UNIT FURNITURE**
[54] **MEUBLE A MODULE DE TABLETTE**
[72] SZEKELY, KENNETH EUGENE, CA
[73] MAXSECURE SYSTEMS INCORPORATED, CA
[85] 2011-12-28
[86] 2010-06-28 (PCT/CA2010/000992)
[87] (WO2011/000087)
[30] US (61/221,479) 2009-06-29

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[11] **2,768,506**
[13] C
[51] **Int.Cl. A61M 25/10 (2013.01) A61M 29/02 (2006.01) A61M 31/00 (2006.01) A61M 39/22 (2006.01)**
[25] EN
[54] **APPARATUS HAVING A SPRING ELEMENT FOR TREATING OBSTRUCTIONS WITHIN BODY LUMENS**
[54] **APPAREIL COMPORTANT UN ELEMENT DE RESSORT DESTINE AU TRAITEMENT D'OBSTRUCTION A L'INTERIEUR DE LUMIERES CORPORELLES**
[72] KROLIK, JEFFREY A., US
[72] WATANABE, GWENDOLYN, US
[72] DOMINGO, JUAN, US
[72] BETELIA, RAY, US
[72] DREHER, JAMES H., US
[72] MIRZAE, DARYUSH, US
[72] FERNANDEZ, LUCAS, US
[73] HOTSPUR TECHNOLOGIES, INC., US
[85] 2012-01-17
[86] 2010-07-23 (PCT/US2010/043165)
[87] (WO2011/011765)
[30] US (61/271,627) 2009-07-23
[30] US (61/283,035) 2009-11-25
[30] US (61/342,755) 2010-04-19
[30] US (61/397,854) 2010-06-17

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[11] **2,769,559**
[13] C
[51] **Int.Cl. C25B 5/00 (2006.01) H01M 16/00 (2006.01)**
[25] EN
[54] **METHOD FOR CO-GENERATION OF ELECTRIC ENERGY AND HYDROGEN**
[54] **PROCEDE DE CO-GENERATION D'ENERGIE ELECTRIQUE ET D'HYDROGENE**
[72] BIENVENU, GERARD, FR
[73] ERGOSUP, FR
[85] 2012-01-27
[86] 2010-07-27 (PCT/FR2010/000546)
[87] (WO2011/015723)
[30] FR (09/03737) 2009-07-30

[11] 2,769,612
[13] C
[51] **Int.Cl. B01D 71/32 (2006.01) B01D 67/00 (2006.01) B01D 69/08 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF ETHYLENE/CHLOROTRIFLUOR OETHYLENE POLYMER MEMBRANES**
[54] **PROCEDE POUR LA PREPARATION DE MEMBRANES EN POLYMERE D'ETHYLENE/CHLOROTRIFLUO ROETHYLENE**
[72] ABUSLEME, JULIO A., IT
[72] PAGIN, IVAN, IT
[72] BERTASA, ANNA MARIA, IT
[73] SOLVAY SPECIALTY POLYMERS ITALY S.P.A., IT
[85] 2012-01-30
[86] 2010-07-29 (PCT/EP2010/061063)
[87] (WO2011/015517)
[30] EP (09167086.9) 2009-08-03

[11] 2,769,648
[13] C
[51] **Int.Cl. C12N 5/077 (2010.01) C12N 5/0775 (2010.01) C07K 14/78 (2006.01)**
[25] EN
[54] **USE OF COLLAGEN TYPE VII FOR MAINTAINING AND RE-INDUCING OSTEOGENIC ABILITIES OF MESENCHYMAL STEM CELLS**
[54] **UTILISATION DE COLLAGENE DE TYPE VII POUR MAINTENIR ET REINDUIRE DES CAPACITES OSTEOGENIQUES DE CELLULES SOUCHES MESENCHYMATEUSES**
[72] CHEN, MEI, US
[72] WOODLEY, DAVID, US
[73] UNIVERSITY OF SOUTHERN CALIFORNIA, US
[85] 2012-01-30
[86] 2010-07-30 (PCT/US2010/043997)
[87] (WO2011/014824)
[30] US (61/230,600) 2009-07-31

[11] 2,771,666
[13] C
[51] **Int.Cl. B01F 17/52 (2006.01) C04B 24/24 (2006.01) C08L 51/08 (2006.01)**
[25] EN
[54] **FORMULATION AND ITS USE**
[54] **FORMULATION ET SON UTILISATION**
[72] DIERSCHKE, FRANK, DE
[72] KRAUS, ALEXANDER, DE
[73] BASF CONSTRUCTION SOLUTIONS GMBH, DE
[85] 2012-02-21
[86] 2010-08-20 (PCT/EP2010/062168)
[87] (WO2011/029711)
[30] EP (09169225.1) 2009-09-02

[11] 2,772,394
[13] C
[51] **Int.Cl. H04N 5/33 (2006.01) G02B 5/22 (2006.01) H01L 31/0304 (2006.01) H01L 31/105 (2006.01)**
[25] EN
[54] **LOW ENERGY PORTABLE LOW-LIGHT CAMERA WITH WAVELENGTH CUTOFF**
[54] **CAMERA PORTATIVE POUR FAIBLE LUMIERE, A FAIBLE CONSOMMATION, AVEC COUPURE DE LONGUEURS D'ONDE**
[72] AEBI, VERLE W., US
[73] INTEVAC, INC., US
[85] 2012-02-27
[86] 2010-08-31 (PCT/US2010/047406)
[87] (WO2011/026143)
[30] US (61/238,641) 2009-08-31

[11] 2,773,441
[13] C
[51] **Int.Cl. H01F 1/24 (2006.01) H01F 41/02 (2006.01)**
[25] EN
[54] **FERROMAGNETIC POWDER COMPOSITION AND METHOD FOR ITS PRODUCTION**
[54] **COMPOSITION DE POUDRE FERROMAGNETIQUE ET PROCEDE POUR SA PRODUCTION**
[72] SKAARMAN, BJOERN, SE
[72] YE, ZHOU, SE
[73] HOEGANAES AB (PUBL), SE
[85] 2012-03-06
[86] 2010-09-14 (PCT/EP2010/063448)
[87] (WO2011/032931)
[30] SE (0901200-6) 2009-09-18
[30] US (61/243,715) 2009-09-18

[11] 2,773,622
[13] C
[51] **Int.Cl. A01K 27/00 (2006.01)**
[25] EN
[54] **REFLECTOR WITH FASTENING DEVICE FOR ANIMAL COLLARS**
[54] **REFLECTEUR AVEC DISPOSITIF DE FIXATION POUR COLLIERS D'ANIMAUX**
[72] MUELLER, UWE, DE
[72] VEHLING, LISKA, FR
[72] STEINER, INGRID, DE
[73] BAYER INTELLECTUAL PROPERTY GMBH, DE
[85] 2012-03-08
[86] 2010-09-06 (PCT/EP2010/063016)
[87] (WO2011/029790)
[30] DE (10 2009 029 361.2) 2009-09-11

[11] 2,775,840
[13] C
[51] **Int.Cl. C07D 417/14 (2006.01) A61K 31/506 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **SUBSTITUTED TETRAZOL-1-YL-PHENOXYMETHYL-THIAZOL-2-YL-PIPERIDINYL-PYRIMIDINE SALTS**
[54] **SELS DE LA TETRAZOL-1-YL-PHENOXYMETHYL-THIAZOL-2-YL-PIPERIDINYL-PYRIMIDINE SUBSTITUEE**
[72] SONG, JIANGAO, US
[72] MCWHERTER, CHARLES A., US
[72] MA, FANG, US
[72] ANDRES, MARK, US
[72] IVANISEVIC, IGOR, US
[72] ALBERT, EKATERINA, US
[72] ANDRES, PATRICIA, US
[73] CYMABAY THERAPEUTICS, INC., US
[85] 2012-03-28
[86] 2010-09-20 (PCT/US2010/049486)
[87] (WO2011/041154)
[30] US (61/247,936) 2009-10-01

[11] **2,775,987**
[13] C
[51] **Int.Cl. E04C 3/08 (2006.01) E04C 3/09 (2006.01)**
[25] EN
[54] **THIN-WALLED, COLD FORMED LIGHTWEIGHT STRUCTURAL PROFILE ELEMENT AND METHOD FOR PRODUCING SUCH A PROFILE ELEMENT**
[54] **ELEMENT PROFILE DE CONSTRUCTION LEGER, A PAROIS MINCES, FORME A FROID, ET PROCEDE DE FABRICATION D'UN TEL ELEMENT PROFILE**
[72] MAISCH, CHRISTOF, DE
[73] PROTEKTORWERK FLORENZ MAISCH GMBH & CO. KG, DE
[85] 2012-03-29
[86] 2010-09-27 (PCT/EP2010/005891)
[87] (WO2011/038879)
[30] DE (10 2009 047 958.9) 2009-10-01
[30] DE (10 2009 048 152.4) 2009-10-02
[30] DE (10 2010 026 320.6) 2010-07-07

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[11] **2,776,495**
[13] C
[51] **Int.Cl. B65D 41/04 (2006.01) C08L 23/06 (2006.01)**
[25] EN
[54] **A CLOSURE CONTAINING AT LEAST ONE ETHYLENE POLYMER**
[54] **UN SYSTEME DE FERMETURE COMPORTANT AU MOINS UN POLYMERE D'ETHYLENE**
[72] WILSON, DEBRA R., US
[72] MICHIE, WILLIAM JAMES, JR., US
[72] PETSALIS, SPYRO P., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[86] (2776495)
[87] (2776495)
[22] 2005-05-05
[62] 2,563,272
[30] US (60/568,487) 2004-05-06
[30] US (11/121,353) 2005-05-03

---

[11] **2,776,693**
[13] C
[51] **Int.Cl. A61N 1/05 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICES AND METHODS FOR THE TREATMENT OF NEUROLOGICAL DISORDERS AND CONDITIONS**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES POUR LE TRAITEMENT DE TROUBLES ET DE D'AFFECTIONS NEUROLOGIQUES**
[72] DEGIORGIO, CHRISTOPHER M., US
[72] COOK, IAN A., US
[72] COVALIN, ALEJANDRO, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2012-04-03
[86] 2010-10-05 (PCT/US2010/051539)
[87] (WO2011/044173)
[30] US (61/248,827) 2009-10-05
[30] US (61/289,829) 2009-12-23
[30] US (61/305,514) 2010-02-17
[30] US (61/354,641) 2010-06-14

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[11] **2,776,696**
[13] C
[51] **Int.Cl. A61N 1/05 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **EXTRACRANIAL IMPLANTABLE DEVICES, SYSTEMS AND METHODS FOR THE TREATMENT OF NEUROLOGICAL DISORDERS**
[54] **DISPOSITIFS IMPLANTABLES EXTRACRANIENS, SYSTEMES ET PROCEDES POUR LE TRAITEMENT DE TROUBLES NEUROLOGIQUES**
[72] DEGIORGIO, CHRISTOPHER M., US
[72] COOK, IAN A., US
[72] EKCHIAN, LEON, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[73] NEUROSIGMA, INC., US
[85] 2012-04-03
[86] 2010-10-05 (PCT/US2010/051544)
[87] (WO2011/044178)
[30] US (61/248,827) 2009-10-05
[30] US (61/289,829) 2009-12-23
[30] US (61/305,514) 2010-02-17
[30] US (61/354,641) 2010-06-14

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[11] **2,777,483**
[13] C
[51] **Int.Cl. F41A 29/02 (2006.01)**
[25] EN
[54] **DEVICE FOR CLEANING THE INSIDE OF THE BARREL OF A FIREARM**
[54] **DISPOSITIF POUR NETTOYER LE COTE INTERIEUR DU CANON D'UNE ARME A FEU**
[72] NIEBLING, HANS, DE
[73] NIEBLING TECHNISCHE BUERSTEN GMBH, DE
[85] 2012-04-12
[86] 2010-10-14 (PCT/EP2010/006276)
[87] (WO2011/047800)
[30] DE (20 2009 014 279.5) 2009-10-21

---

[11] **2,777,751**
[13] C
[51] **Int.Cl. B29C 55/26 (2006.01)**
[25] EN
[54] **METHODS AND INSTALLATIONS FOR MANUFACTURING BIAXALLY ORIENTED TUBING AND THE TUBING ITSELF**
[54] **METHODES ET INSTALLATIONS DESTINEES A LA FABRICATION DE TUBAGE ORIENTE BIAXIALEMENT ET TUBAGE**
[72] VISSCHER, JAN, NL
[72] JANSEN KLOMP, HENDRIK JAN CAREL, NL
[72] BOSCH, JAN-MARK, NL
[73] HOPPMANN INTERNATIONAL B.V., NL
[85] 2012-04-16
[86] 2010-10-18 (PCT/NL2010/050687)
[87] (WO2011/049436)
[30] NL (2003666) 2009-10-19

[11] **2,777,939**
[13] C
[51] **Int.Cl. G21C 17/017 (2006.01)**
[25] EN
[54] **METHOD OF MODELING STEAM GENERATOR AND PROCESSING STEAM GENERATOR TUBE DATA OF NUCLEAR POWER PLANT**
[54] **PROCEDE DE MODELISATION D'UN GENERATEUR DE VAPEUR ET DE TRAITEMENT DES DONNEES D'UN TUBE DE GENERATEUR DE VAPEUR D'UNE CENTRALE NUCLEAIRE**
[72] LE, QUI V., US
[73] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2012-04-17
[86] 2010-11-10 (PCT/US2010/056096)
[87] (WO2011/059990)
[30] US (61/260,448) 2009-11-12
[30] US (12/760,148) 2010-04-14

[11] **2,779,162**
[13] C
[51] **Int.Cl. A61K 31/683 (2006.01) A61P 3/00 (2006.01) A61P 9/00 (2006.01)**
[25] EN
[54] **CONCENTRATED THERAPEUTIC PHOSPHOLIPID COMPOSITIONS**
[54] **COMPOSITIONS DE PHOSPHOLIPIDES THERAPEUTIQUES CONCENTREES**
[72] SAMPALIS, FOTINI, CA
[72] HARLAND, HENRI, CA
[73] ACASTI PHARMA, INC., CA
[85] 2012-04-27
[86] 2010-10-29 (PCT/CA2010/001720)
[87] (WO2011/050474)
[30] US (61/256,106) 2009-10-29

[11] **2,781,008**
[13] C
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 38/18 (2006.01)**
[25] EN
[54] **OPHTHALMIC PREPARATIONS BASED ON BDNF (BRAIN-DERIVED NEUROTROPHIC FACTOR) AND THEIR USE**
[54] **PREPARATIONS OPHTALMIQUES BASEES SUR UN FACTEUR NEUROTROPHIQUE DERIVE DU CERVEAU (BDNF) ET LEUR UTILISATION**
[72] DOMENICI, LUCIANO, HU
[72] GIOVANNINI, LUCA, HU
[72] SANSO', MARCO, HU
[73] HMFRA HUNGARY LIMITED LIABILITY COMPANY, HU
[85] 2012-05-15
[86] 2010-11-12 (PCT/IB2010/003220)
[87] (WO2011/058449)
[30] IT (MI2009A002012) 2009-11-16

[11] **2,781,275**
[13] C
[51] **Int.Cl. A61B 17/11 (2006.01) A61B 17/115 (2006.01)**
[25] EN
[54] **DEVICES FOR INTRODUCING A SURGICAL CIRCULAR STAPLING INSTRUMENT INTO A PATIENT**
[54] **DISPOSITIFS D'INTRODUCTION D'UN INSTRUMENT D'AGRAFAGE CIRCULAIRE CHIRURGICAL DANS UN PATIENT**
[72] BAXTER, CHESTER O., III, US
[72] HUNT, JOHN V., US
[72] SILKAITIS, DANIUS P., US
[72] WILEY, JEFFREY P., US
[72] SCHULTE, JOHN B., US
[73] ETHICON ENDO-SURGERY, INC., US
[85] 2012-05-17
[86] 2010-11-17 (PCT/US2010/057103)
[87] (WO2011/063040)
[30] US (12/621,672) 2009-11-19

[11] **2,782,656**
[13] C
[51] **Int.Cl. B32B 3/06 (2006.01) B32B 3/12 (2006.01)**
[25] EN
[54] **SANDWICH STRUCTURE HAVING ARRESTMENT FEATURE AND METHOD OF MAKING THE SAME**
[54] **STRUCTURE EN SANDWICH A CARACTERISTIQUE D'ARRET ET SON PROCEDE DE PRODUCTION**
[72] SAFF, CHARLES R., US
[72] FOGARTY, JOHN H., US
[72] GU, HAOZHONG, US
[72] RICHARDSON, TERRY D., US
[72] RETZ, KEVIN M., US
[73] THE BOEING COMPANY, US
[85] 2012-06-01
[86] 2010-10-12 (PCT/US2010/052343)
[87] (WO2011/068592)
[30] US (12/631,029) 2009-12-04

[11] **2,784,115**
[13] C
[51] **Int.Cl. G01N 23/00 (2006.01) G01N 23/05 (2006.01) G01N 23/09 (2018.01) G01N 23/10 (2018.01) G01N 23/222 (2006.01) G21G 4/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PERFORMING ACTIVE NEUTRON INTERROGATION OF CONTAINERS**
[54] **PROCEDE ET APPAREIL POUR REALISER UNE INTERROGATION PAR NEUTRONS ACTIFS DE CONTENEURS**
[72] PIEFER, GREGORY, US
[73] PHOENIX NUCLEAR LABS LLC, US
[85] 2012-06-12
[86] 2010-12-14 (PCT/US2010/060318)
[87] (WO2011/081940)
[30] US (61/286,690) 2009-12-15

[11] **2,784,349**
[13] C
[51] **Int.Cl. G02C 7/04 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING STABILIZED CONTACT LENSES**
[54] **PROCEDE DE FABRICATION DE LENTILLES DE CONTACT STABILISEES**
[72] GERLIGAND, PIERRE, US
[73] JOHNSON & JOHNSON VISION CARE, INC., US
[85] 2012-06-13
[86] 2010-12-17 (PCT/US2010/061001)
[87] (WO2011/084683)
[30] US (12/641,166) 2009-12-17

[11] **2,784,969**
[13] C
[51] **Int.Cl. H02G 3/16 (2006.01)**
[25] EN
[54] **SHALLOW ELECTRIC BOX**
[54] **BOITIER ELECTRIQUE PEU PROFOND**
[72] CHARBONNEAU, PIERRE, CA
[73] CHARBONNEAU, PIERRE, CA
[86] (2784969)
[87] (2784969)
[22] 2012-08-03

[11] **2,785,007**
[13] C
[51] **Int.Cl. A47J 31/36 (2006.01) B65D 85/804 (2006.01)**
[25] EN
[54] **IDENTIFICATION OF BEVERAGE INGREDIENT CONTAINING CAPSULES**
[54] **IDENTIFICATION DE CAPSULES CONTENANT UN INGREDIENT DE BOISSON**
[72] OZANNE, MATTHIEU, FR
[72] VUAGNIAUX, DIDIER, CH
[73] NESTEC S.A., CH
[85] 2012-06-19
[86] 2010-12-20 (PCT/EP2010/070266)
[87] (WO2011/076748)
[30] EP (09180092.0) 2009-12-21

[11] **2,785,134**
[13] C
[51] **Int.Cl. A47J 31/36 (2006.01)**
[25] EN
[54] **IDENTIFICATION OF BEVERAGE INGREDIENT CONTAINING CAPSULES**
[54] **IDENTIFICATION DE CAPSULES CONTENANT UN INGREDIENT DE BOISSON**
[72] OZANNE, MATTHIEU, FR
[72] VUAGNIAUX, DIDIER, CH
[73] NESTEC S.A., CH
[85] 2012-06-19
[86] 2010-12-20 (PCT/EP2010/070269)
[87] (WO2011/076750)
[30] EP (09180071.4) 2009-12-21

[11] **2,785,302**
[13] C
[51] **Int.Cl. C09D 5/00 (2006.01)**
[25] EN
[54] **COMPOSITION FOR COATING**
[54] **COMPOSITION POUR REVETEMENT**
[72] SCHONEVELD, ERIK, ES
[72] SANCHIS BRINES, FRANCISCO, ES
[72] ORTEGA MURGUIALDAY, AMAYA, ES
[72] GOMEZ CORDON, JULIO, ES
[72] LORENTE AROCA, MA DOLORES, ES
[72] CORDERO ETCHABERRY, DIANA, ES
[73] SILICALIA, SL, ES
[85] 2012-06-21
[86] 2010-12-15 (PCT/IB2010/003246)
[87] (WO2011/077211)
[30] EP (09380197) 2009-12-23

[11] **2,786,008**
[13] C
[51] **Int.Cl. B81C 1/00 (2006.01) B01F 3/04 (2006.01) B81B 1/00 (2006.01)**
[25] EN
[54] **MICROFLUIDIC DEVICE FACILITATING GAS EXCHANGE, AND METHODS OF USE AND MANUFACTURE THEREOF**
[54] **DISPOSITIF MICROFLUIDIQUE FACILITANT LES ECHANGES GAZEUX, SES PROCEDES D'UTILISATION ET DE FABRICATION**
[72] CHAREST, JOSEPH L., US
[72] BORENSTEIN, JEFFREY T., US
[72] BAUER, JOSEPH M., US
[73] CHARLES STARK DRAPER LABORATORY, INC., US
[85] 2012-06-28
[86] 2010-12-30 (PCT/US2010/062537)
[87] (WO2011/082323)
[30] US (61/291,560) 2009-12-31

[11] **2,786,043**
[13] C
[51] **Int.Cl. E06B 9/42 (2006.01) A47H 5/00 (2006.01) F16F 1/12 (2006.01)**
[25] EN
[54] **POWER ASSIST MODULE FOR ROLLER SHADES**
[54] **MODULE D'ASSISTANCE ELECTRIQUE POUR STORES A ENROULEMENT AUTOMATIQUE**
[72] HAARER, STEVEN R., US
[72] ANDERSON, RICHARD N., US
[73] HUNTER DOUGLAS INC., US
[85] 2012-06-28
[86] 2011-01-19 (PCT/US2011/021639)
[87] (WO2011/090975)
[30] US (61/297,333) 2010-01-22

[11] **2,786,228**
[13] C
[51] **Int.Cl. A61B 17/08 (2006.01) A61F 13/00 (2006.01)**
[25] EN
[54] **ABDOMINAL WALL TREATMENT DEVICES**
[54] **DISPOSITIFS SERVANT A TRAITER LA PAROI ABDOMINALE**
[72] STEVENSON, ERIC, US
[72] SUN, WENDELL, US
[72] BARERE, AARON, US
[73] LIFECELL CORPORATION, US
[85] 2012-06-29
[86] 2011-02-17 (PCT/US2011/025224)
[87] (WO2011/103276)
[30] US (61/306,006) 2010-02-19

[11] **2,786,412**
[13] C
[51] **Int.Cl. B01J 20/282 (2006.01) B01J 20/26 (2006.01) B01J 20/285 (2006.01) C08F 279/06 (2006.01) C08J 9/26 (2006.01) C08L 33/10 (2006.01) G01N 1/36 (2006.01)**
[25] EN
[54] **POROUS POLYMER MONOLITHS, PROCESSES FOR PREPARATION AND USE THEREOF**
[54] **MONOLITHES DE POLYMERE POREUX, LEURS PROCEDES DE PREPARATION ET D'UTILISATION**
[72] HADDAD, PAUL RAYMOND, AU
[72] HILDER, EMILY FRANCES, AU
[72] CANDISH, ESME, AU
[72] BAYLISS, MARK A. J., GB
[73] UNIVERSITY OF TASMANIA, AU
[85] 2012-07-05
[86] 2011-01-06 (PCT/AU2011/000008)
[87] (WO2011/082449)
[30] AU (2010900064) 2010-01-08

[11] **2,787,778**
[13] C
[51] **Int.Cl. B61D 7/02 (2006.01) B61D 7/18 (2006.01) B61D 7/22 (2006.01) B61D 17/08 (2006.01)**
[25] EN
[54] **SIDE CONTOURED OPEN TOP HOPPER RAILCAR WITH BIASED DOOR SEAL AND ENLARGED CONTOURED END DOOR**
[54] **VEHICULE FERROVIAIRE TREMIE OUVERT EN HAUT A PROFILAGE LATERAL COMPORTANT UN JOINT DE PORTE DOTE D'UN RAPPEL ET UNE PORTE TERMINALE PROFILEE AGRANDIE**
[72] JOSEPHSON, GREGORY P., US
[72] LOHR, DAVID A., US
[73] FREIGHTCAR AMERICA, INC., US
[85] 2012-07-19
[86] 2011-01-24 (PCT/US2011/022293)
[87] (WO2011/091384)
[30] US (61/297,485) 2010-01-22

[11] **2,787,956**
[13] C
[51] **Int.Cl. C09J 4/06 (2006.01) C09J 123/28 (2006.01)**
[25] EN
[54] **METHACRYLATE-BASED ADHESIVE COMPOSITIONS**
[54] **COMPOSITIONS ADHESIVES A BASE DE METHACRYLATE**
[72] OSAE, SAMUEL BOADU, US
[72] BROWN, STEVEN LOCHIEL, GB
[72] PHILLIPPS, ROY GORDON, GB
[73] SCOTT BADER COMPANY LIMITED, GB
[85] 2012-07-24
[86] 2011-02-24 (PCT/GB2011/000256)
[87] (WO2011/104510)
[30] US (61/308,389) 2010-02-26
[30] GB (1006427.7) 2010-04-16

[11] **2,788,610**
[13] C
[51] **Int.Cl. B32B 27/04 (2006.01) C08J 5/04 (2006.01) C08J 5/24 (2006.01)**
[25] EN
[54] **PROCESS FOR MANUFACTURING COMPOSITE MATERIALS**
[54] **PROCESSUS DE FABRICATION DE MATERIAUX COMPOSITES**
[72] FISSET, EMILIE, GB
[72] ELLIS, JOHN, GB
[73] HEXCEL COMPOSITES LIMITED, GB
[85] 2012-07-31
[86] 2011-03-15 (PCT/GB2011/050503)
[87] (WO2011/114140)
[30] GB (1004365.1) 2010-03-17

[11] **2,788,784**
[13] C
[51] **Int.Cl. A61B 34/30 (2016.01) A61G 13/10 (2006.01) B25J 13/08 (2006.01)**
[25] EN
[54] **REMOTE PRESENCE SYSTEM INCLUDING A CART THAT SUPPORTS A ROBOT FACE AND AN OVERHEAD CAMERA**
[54] **SYSTEME DE PRESENCE A DISTANCE COMPRENANT UN CHARIOT QUI SUPPORTE UN AVANT DE ROBOT ET UNE CHAMBRE SUSPENDUE**
[72] STUART, DAVID A., US
[72] SANCHEZ, DANIEL S., US
[72] LAI, FUJI, US
[72] HANRAHAN, KEVIN P., US
[72] JORDAN, CHARLES S., US
[72] ROE, DAVID B., US
[72] ROSENTHAL, JAMES, US
[72] MANGASER, AMANTE, US
[72] WHITNEY, BLAIR, US
[72] WALTERS, DEREK J., US
[73] INTOUCH TECHNOLOGIES, INC., US
[85] 2012-08-02
[86] 2011-03-01 (PCT/US2011/026599)
[87] (WO2011/109336)
[30] US (12/717,806) 2010-03-04

[11] **2,789,021**
[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4375 (2006.01) A61P 25/00 (2006.01) A61P 31/00 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **HETARYL-[1,8]NAPHTHYRIDINE DERIVATIVES**
[54] **DERIVES D'HETARYL-[1,8]NAPHTYRIDINE**
[72] JONCZYK, ALFRED, DE
[72] DORSCH, DIETER, DE
[72] HOELZEMANN, GUENTER, DE
[72] AMENDT, CHRISTIANE, DE
[72] ZENKE, FRANK, DE
[73] MERCK PATENT GMBH, DE
[85] 2012-08-03
[86] 2010-12-17 (PCT/EP2010/007743)
[87] (WO2011/095196)
[30] EP (10001251.7) 2010-02-05

[11] **2,790,396**
[13] C
[51] **Int.Cl. G01L 25/00 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **CALIBRATING PROCESS FOR TORQUE MEASURING APPARATUS**
[54] **PROCEDE D'ETALONNAGE POUR APPAREIL DE MESURE DE COUPLE**
[72] GRAY, NATHAN D., US
[72] YATES, JOE, US
[73] NATIONAL OILWELL VARCO L.P., US
[85] 2012-08-17
[86] 2011-03-02 (PCT/US2011/026784)
[87] (WO2011/109462)
[30] US (61/309,635) 2010-03-02

[11] **2,792,235**
[13] C
[51] **Int.Cl. B32B 29/02 (2006.01) B32B 5/26 (2006.01) B32B 27/10 (2006.01) D01D 5/00 (2006.01) D21H 19/10 (2006.01)**
[25] EN
[54] **FIBER BASED SUBSTRATE WITH A NANOFIBER BASED BARRIER LAYER**
[54] **SUBSTRAT A BASE DE FIBRES COMPORTANT UNE COUCHE PROTECTRICE A BASE DE NANOFIBRES**
[72] HEISKANEN, ISTO, FI
[72] BACKFOLK, KAJ, FI
[73] STORA ENSO OYJ, FI
[85] 2012-09-05
[86] 2011-03-18 (PCT/IB2011/051138)
[87] (WO2011/114311)
[30] SE (1050251-6) 2010-03-18

[11] **2,792,257**
[13] C
[51] **Int.Cl. C12P 7/46 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCING SUCCINIC ACID**
[54] **METHODE DE FABRICATION D'ACIDE SUCCINIQUE**
[72] YOSHIKAWA, KATSUNORI, JP
[72] KIDO, DAISUKE, JP
[72] MURASE, MAKOTO, JP
[73] MITSUBISHI CHEMICAL CORPORATION, JP
[85] 2012-09-05
[86] 2011-03-08 (PCT/JP2011/055355)
[87] (WO2011/111693)
[30] JP (2010-051816) 2010-03-09

[11] **2,792,924**
[13] C
[51] **Int.Cl. H04L 9/32 (2006.01) H04W 12/04 (2009.01) H04W 12/06 (2009.01) G06Q 20/00 (2012.01)**
[25] EN
[54] **MUTUAL MOBILE AUTHENTICATION USING A KEY MANAGEMENT CENTER**
[54] **AUTHENTIFICATION MOBILE MUTUELLE A L'AIDE D'UN CENTRE DE GESTION DE CLES**
[72] AABYE, CHRISTIAN, US
[72] KANNAPPAN, SASIKUMAR, US
[73] VISA INTERNATIONAL SERVICE ASSOCIATION, US
[85] 2012-09-10
[86] 2011-03-31 (PCT/US2011/030766)
[87] (WO2011/123671)
[30] US (61/319,698) 2010-03-31
[30] US (13/075,592) 2011-03-30

[11] **2,793,400**
[13] C
[51] **Int.Cl. G06Q 10/06 (2012.01) G11C 15/00 (2006.01)**
[25] EN
[54] **ASSOCIATIVE MEMORY-BASED PROJECT MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE PROJETS BASE SUR LA MEMOIRE ASSOCIATIVE**
[72] QUADRACCI, LEONARD JON, US
[73] THE BOEING COMPANY, US
[86] (2793400)
[87] (2793400)
[22] 2012-10-24
[30] US (13/359,217) 2012-01-26

[11] **2,793,440**
[13] C
[51] **Int.Cl. F15B 13/04 (2006.01) F15B 13/02 (2006.01) G05D 16/10 (2006.01)**
[25] EN
[54] **HYDRAULIC VALVE WITH PRESSURE LIMITER**
[54] **SOUPAPE A COMMANDE HYDRAULIQUE COMPRENANT UN LIMITEUR DE PRESSION**
[72] COOLIDGE, GREGORY, US
[73] PARKER HANNIFIN CORPORATION, US
[85] 2012-09-17
[86] 2010-11-22 (PCT/US2010/057555)
[87] (WO2011/115647)
[30] US (61/314,620) 2010-03-17

[11] **2,793,946**
[13] C
[51] **Int.Cl. C01B 11/02 (2006.01) A61L 9/01 (2006.01) A61L 9/015 (2006.01) A61L 9/20 (2006.01) B01J 7/00 (2006.01)**
[25] EN
[54] **DEVICE FOR GENERATING CHLORINE DIOXIDE**
[54] **DISPOSITIF DE GENERATION DE DIOXYDE DE CHLORE**
[72] TAGUCHI, KAZUHIKO, JP
[72] ASADA, SHIGEO, JP
[72] NAKAHARA, KOICHI, JP
[73] TAIKO PHARMACEUTICAL CO., LTD., JP
[85] 2012-09-20
[86] 2011-03-15 (PCT/JP2011/056030)
[87] (WO2011/118447)
[30] JP (2010-073841) 2010-03-26

[11] **2,794,605**
[13] C
[51] **Int.Cl. B32B 25/04 (2006.01) B32B 25/08 (2006.01) B32B 27/34 (2006.01)**
[25] EN
[54] **COMPOSITE FORMED FROM A POLYAMIDE MOULDING COMPOSITION AND A VULCANIZED ELASTOMER**
[54] **COMPOSITE CONSTITUE D'UNE COMPOSITION A MOULER A BASE DE POLYAMIDE ET D'ELASTOMERE VULCANISE**
[72] PAWLIK, ANDREAS, DE
[72] HAEGER, HARALD, DE
[73] EVONIK DEGUSSA GMBH, DE
[85] 2012-09-26
[86] 2011-05-03 (PCT/EP2011/057000)
[87] (WO2011/138300)
[30] DE (102010028541.2) 2010-05-04

[11] **2,794,833**
[13] C
[51] **Int.Cl. E21B 17/00 (2006.01) B08B 9/02 (2006.01) E21B 19/14 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR TREATMENT OF A PIPESTRING SECTION THAT IS POSITIONED IN A SET-BACK**
[54] **PROCEDE ET DISPOSITIF POUR TRAITEMENT D'UNE SECTION DE TRAIN DE TIGES DE TUYAU QUI EST POSITIONNEE DANS UN DECROCHEMENT**
[72] BERGE, ROAR, NO
[73] NATIONAL OILWELL VARCO NORWAY AS, NO
[85] 2012-09-27
[86] 2011-03-25 (PCT/NO2011/000103)
[87] (WO2011/122954)
[30] NO (20100469) 2010-03-30

[11] **2,796,088**
[13] C
[51] **Int.Cl. B25J 9/00 (2006.01) A61F 5/00 (2006.01) B65G 7/00 (2006.01) B66F 19/00 (2006.01)**
[25] EN
[54] **EXOSKELETON LOAD HANDLING SYSTEM AND METHOD OF USE**
[54] **SYSTEME DE GESTION DE CHARGE D'EXOSQUELETTE ET SON PROCEDE D'UTILISATION**
[72] HARDING, NATHAN, US
[72] AMUNDSON, KURT, US
[72] BURNS, JON, US
[72] ANGOLD, RUSSIDON, US
[72] ZOSS, ADAM, US
[72] KAZEROONI, HOMAYOON, US
[73] EKSO BIONICS, US
[85] 2012-10-09
[86] 2011-04-08 (PCT/US2011/031815)
[87] (WO2011/127421)
[30] US (61/322,645) 2010-04-09

[11] **2,796,290**
[13] C
[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **SYSTEM COMPRISING A PLURALITY OF DISTRIBUTION DEVICES AND DISTRIBUTION DEVICE**
[54] **SYSTEME COMPRENANT UNE PLURALITE DE DISPOSITIFS DE DISTRIBUTION, ET DISPOSITIF DE DISTRIBUTION**
[72] FABRYKOWSKI, GRZEGORZ, PL
[72] MUELLER, MICHAEL A., DE
[72] GRALEWSKI-SEK, GRZEGORZ K., PL
[73] CORNING OPTICAL COMMUNICATIONS LLC, US
[85] 2012-10-12
[86] 2011-03-30 (PCT/US2011/030466)
[87] (WO2011/130004)
[30] US (61/325,082) 2010-04-16
[30] US (61/407,721) 2010-10-28

[11] **2,796,820**
[13] C
[51] **Int.Cl. A61B 17/44 (2006.01)**
[25] EN
[54] **OBSTETRIC FORCEPS**
[54] **FORCEPS OBSTETRIQUES**
[72] OBOH, ALEX, GB
[72] FLOOD, TIMOTHY, GB
[72] HALL, RICHARD, GB
[72] THORNING, PAUL, GB
[73] HULL & EAST YORKSHIRE NHS TRUST, GB
[85] 2012-10-18
[86] 2011-04-20 (PCT/GB2011/050790)
[87] (WO2011/131988)
[30] GB (1006570.4) 2010-04-20

[11] **2,797,309**
[13] C
[51] **Int.Cl. E21B 33/038 (2006.01)**
[25] EN
[54] **ELECTRONIC COMBINED LOAD WEAK LINK**
[54] **LIAISON FAIBLE DE CHARGE COMBINEE ELECTRONIQUE**
[72] JENKINS, PETER, NO
[72] YSTGAARD, OLA, NO
[72] HOLDEN, HARALD, NO
[73] STATOIL PETROLEUM AS, NO
[85] 2012-10-24
[86] 2011-04-28 (PCT/EP2011/056725)
[87] (WO2011/135021)
[30] NO (20100612) 2010-04-28

[11] **2,803,473**
[13] C
[51] **Int.Cl. B01D 53/06 (2006.01) B01D 53/26 (2006.01) F24F 3/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IMPROVING THE PERFORMANCE OF DESICCANT DEHUMIDIFICATION EQUIPMENT FOR LOW-HUMIDITY APPLICATIONS**
[54] **SYSTEME ET PROCEDE D'AMELIORATION DE LA PERFORMANCE D'UN EQUIPEMENT DE DESHUMIDIFICATION DESSICATIF POUR APPLICATIONS A FAIBLE HUMIDITE**
[72] PAHWA, DEEPAK, IN
[72] SACHDEV, RAJAN, IN
[72] GRIFFITHS, WILLIAM CHARLES, US
[72] MALIK, KULDEEP SINGH, IN
[73] BRY-AIR (ASIA) PVT. LTD., IN
[85] 2012-12-20
[86] 2011-06-20 (PCT/IN2011/000412)
[87] (WO2011/161693)
[30] IN (1446/DEL/2010) 2010-06-22

[11] **2,803,921**
[13] C
[51] **Int.Cl. F21V 21/00 (2006.01) F21V 29/70 (2015.01) F21S 8/00 (2006.01) F21V 5/04 (2006.01) F21V 19/00 (2006.01) F21V 21/04 (2006.01)**
[25] EN
[54] **LIGHTING ASSEMBLY AND METHOD**
[54] **ENSEMBLE ET METHODE D'ECLAIRAGE**
[72] ROOS, PAUL JAN, AU
[73] KLIK SYSTEMS AUSTRALIA PTY LTD, AU
[85] 2012-12-27
[86] 2011-03-09 (PCT/AU2011/000263)
[87] (WO2012/000012)
[30] AU (2010902861) 2010-06-29

[11] **2,804,150**
[13] C
[51] **Int.Cl. B32B 27/20 (2006.01) B32B 27/08 (2006.01)**
[25] EN
[54] **MULTI-LAYER ARTICLES CAPABLE OF FORMING COLOR IMAGES AND METHODS OF FORMING COLOR IMAGES**
[54] **ARTICLES MULTICOUCHES CAPABLES DE FORMER DES IMAGES EN COULEUR ET PROCEDES PERMETTANT DE FORMER DES IMAGES EN COULEUR**
[72] DUNN, DOUGLAS S., US
[72] MERRILL, WILLIAM WARD, US
[72] MARKOWICZ, PRZEMYSLAW P., US
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2012-12-28
[86] 2011-06-30 (PCT/US2011/042478)
[87] (WO2012/003247)
[30] US (61/360,032) 2010-06-30

[11] **2,804,153**
[13] C
[51] **Int.Cl. C08L 67/00 (2006.01) B65D 81/00 (2006.01) C08G 63/00 (2006.01) C08K 5/00 (2006.01)**
[25] EN
[54] **OXYGEN SCAVENGING PLASTIC MATERIAL**
[54] **MATIERE PLASTIQUE ELIMINANT L'OXYGENE**
[72] FAVA, FLAVIO, IT
[73] CLARIANT MASTERBATCHES (ITALIA) SPA, IT
[85] 2012-12-28
[86] 2011-06-16 (PCT/EP2011/002976)
[87] (WO2012/000614)
[30] EP (10006748.7) 2010-06-30

[11] **2,807,163**
[13] C
[51] **Int.Cl. H04W 24/04 (2009.01)**
[25] FR
[54] **METHOD FOR MANAGING A DEGRADED MODE OF A CELL IN A RADIOCOMMUNICATION NETWORK**
[54] **PROCEDE DE GESTION D'UN MODE DEGRADE D'UNE CELLULE DANS UN RESEAU DE RADIOCOMMUNICATION**
[72] ROSIN, FREDERIC, FR
[72] JANSSOONE, ALAIN, FR
[72] TANNEAU, LANNIG, FR
[73] AIRBUS DS S.L.C., FR
[85] 2013-01-30
[86] 2011-08-02 (PCT/EP2011/063309)
[87] (WO2012/016988)
[30] FR (1056448) 2010-08-04

[11] **2,808,758**
[13] C
[51] **Int.Cl. A45C 15/00 (2006.01) A45C 5/04 (2006.01)**
[25] EN
[54] **LUGGAGE COMPRISING A VACUUM DEVICE**
[54] **BAGAGE COMPRENANT UN DISPOSITIF A VIDE**
[72] WYTENHOVE, MARGUERITE, US
[72] AGNIEL, JEAN-CHARLES, FR
[72] AGNIEL, RIOU, FR
[73] WYTENHOVE, MARGUERITE, US
[85] 2013-02-19
[86] 2010-04-29 (PCT/IB2010/000973)
[87] (WO2011/135391)

[11] **2,812,971**
[13] C
[51] **Int.Cl. G02B 27/02 (2006.01) B42D 25/29 (2014.01) B42D 25/328 (2014.01) B42D 25/36 (2014.01) B42D 25/45 (2014.01) G02B 3/00 (2006.01) G02B 27/22 (2018.01)**
[25] EN
[54] **MICRO-OPTIC SECURITY AND IMAGE PRESENTATION SYSTEM**
[54] **SYSTEME DE SECURITE MICRO-OPTIQUE ET DE PRESENTATION D'IMAGE**
[72] STEENBLIK, RICHARD A., US
[72] HURT, MARK J., US
[72] JORDAN, GREGORY R., US
[73] VISUAL PHYSICS, LLC, US
[86] (2812971)
[87] (2812971)
[22] 2004-11-22
[62] 2,546,930
[30] US (60/524,281) 2003-11-21
[30] US (60/538,392) 2004-01-22
[30] US (60/627,234) 2004-11-12

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[11] **2,813,148**
[13] C
[51] **Int.Cl. D21H 17/24 (2006.01)**
[25] EN
[54] **METHOD FOR IMPROVING PAPERMAKING OR BOARD MAKING PROCESS, USE OF A POLYSACCHARIDE AND PAPER**
[54] **METHODE POUR AMELIORER UN PROCEDE DE FABRICATION DE PAPIER OU DE CARTON, UTILISATION D'UN POLYSACCHARIDE, ET PAPIER**
[72] HIETANIEMI, MATTI, FI
[72] SALMINEN, KRISTIAN, FI
[72] KATAJA-AHO, JANNE, FI
[72] RETULAINEN, ELIAS, FI
[73] KEMIRA OYJ, FI
[85] 2013-03-28
[86] 2011-09-30 (PCT/FI2011/050843)
[87] (WO2012/042116)
[30] US (61/388,658) 2010-10-01
[30] FI (20106021) 2010-10-01

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[11] **2,813,991**
[13] C
[51] **Int.Cl. G01S 13/95 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GENERATING DERIVED PRODUCTS IN A RADAR NETWORK**
[54] **SYSTEME ET PROCEDE POUR GENERER DES PRODUITS DERIVES DANS UN RESEAU DE RADARS**
[72] INSANIC, EDIN, US
[72] SIQUEIRA, PAUL, US
[73] UNIVERSITY OF MASSACHUSETTS, US
[85] 2013-04-05
[86] 2011-10-07 (PCT/US2011/055415)
[87] (WO2012/048250)
[30] US (12/900,620) 2010-10-08

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[11] **2,816,470**
[13] C
[51] **Int.Cl. E21B 4/06 (2006.01) F01B 11/00 (2006.01) F25B 9/14 (2006.01)**
[25] EN
[54] **DIRECT DRILL BIT DRIVE FOR TOOLS ON THE BASIS OF A HEAT ENGINE**
[54] **ENTRAINEMENT DIRECT DE TREPAN POUR DES OUTILS SUR LA BASE D'UN MOTEUR THERMIQUE**
[72] SCHWARZ, MARCUS, DE
[72] KIRSTEN, ULF, DE
[72] REICH, MATTHIAS, DE
[72] ROENTZSCH, SILKE, DE
[72] MERTENS, FLORIAN, DE
[73] SCHWARZ, MARCUS, DE
[73] KIRSTEN, ULF, DE
[73] REICH, MATTHIAS, DE
[73] ROENTZSCH, SILKE, DE
[73] MERTENS, FLORIAN, DE
[85] 2013-04-30
[86] 2011-10-21 (PCT/DE2011/001878)
[87] (WO2012/055392)
[30] DE (10 2010 050 244.8) 2010-10-30

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[11] **2,818,504**
[13] C
[51] **Int.Cl. A61M 16/16 (2006.01) A61M 16/00 (2006.01) G05B 13/00 (2006.01)**
[25] EN
[54] **HUMIDIFICATION SYSTEM**
[54] **SYSTEME D'HUMIDIFICATION**
[72] DIXON, PAUL DAVID, GB
[72] VARGA, CHRISTOPHER M., US
[72] KORNEFF, NEIL ALEX, US
[73] VYAIRE MEDICAL CONSUMABLES LLC, US
[85] 2013-05-17
[86] 2011-11-22 (PCT/US2011/061873)
[87] (WO2012/071427)
[30] US (12/952,658) 2010-11-23

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[11] **2,818,900**
[13] C
[51] **Int.Cl. A61K 47/22 (2006.01) A61K 9/14 (2006.01) A61K 38/28 (2006.01)**
[25] EN
[54] **METHOD OF DRUG FORMULATION BASED ON INCREASING THE AFFINITY OF CRYSTALLINE MICROPARTICLE SURFACES FOR ACTIVE AGENTS**
[54] **PROCEDE DE PREPARATION DE MEDICAMENTS FONDE SUR L'ACCROISSEMENT DE L'AFFINITE DES SURFACES DE MICROPARTICULES CRISTALLINES POUR DES PRINCIPES ACTIFS**
[72] OBERG, KEITH A., US
[73] MANNKIND CORPORATION, US
[86] (2818900)
[87] (2818900)
[22] 2006-09-14
[62] 2,621,806
[30] US (60/717,524) 2005-09-14
[30] US (60/744,882) 2006-04-14

[11] **2,819,110**
[13] C
[51] **Int.Cl. B21D 26/021 (2011.01) B21D 26/055 (2011.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR FORMING SHAPED ARTICLES FROM PLURAL SHEET METAL BLANKS**
[54] **EQUIPEMENT ET PROCEDE POUR FACONNER DES ARTICLES EMBOUTIS A PARTIR DE PLUSIEURS FLANS DE TOLE**
[72] SHULKIN, BORIS, US
[72] KOKOSZA, WILLIAM A., CA
[73] MAGNA INTERNATIONAL INC., CA
[85] 2013-05-27
[86] 2011-12-16 (PCT/CA2011/001374)
[87] (WO2012/079156)
[30] US (61/424,350) 2010-12-17

[11] **2,820,341**
[13] C
[51] **Int.Cl. G01N 33/28 (2006.01) G01N 30/72 (2006.01)**
[25] EN
[54] **GENERATION OF MODEL-OF-COMPOSITION OF PETROLEUM BY HIGH RESOLUTION MASS SPECTROMETRY AND ASSOCIATED ANALYTICS**
[54] **GENERATION DE MODELE DE COMPOSITION DE PETROLE PAR SPECTROMETRIE DE MASSE A HAUTE RESOLUTION ET PROCEDES ANALYTIQUES ASSOCIES**
[72] QIAN, KUANGNAN, US
[72] EDWARDS, KATHLEEN E., US
[72] MENNITO, ANTHONY S., US
[72] SAEGER, ROLAND B., US
[73] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2013-06-05
[86] 2011-12-16 (PCT/US2011/065313)
[87] (WO2012/083095)
[30] US (61/423,797) 2010-12-16
[30] US (13/167,816) 2011-06-24

[11] **2,821,320**
[13] C
[51] **Int.Cl. E06B 1/36 (2006.01) E06B 1/56 (2006.01)**
[25] EN
[54] **FIXED FRAME WINDOW OR DOOR SYSTEM**
[54] **PORTE OU FENETRE A CADRE FIXE**
[72] FURGERSON, DAVID, US
[72] GIGGS, JULIAN, US
[72] POTTHAST, JAMES, US
[72] KRUMPE, GERAINT, US
[72] BAKER, WAYNE PHILIP, GB
[73] MILGARD MANUFACTURING INCORPORATED, US
[86] (2821320)
[87] (2821320)
[22] 2010-04-22
[62] 2,701,321
[30] US (12/758,386) 2010-04-12
[30] US (61/171,925) 2009-04-23

[11] **2,822,906**
[13] C
[51] **Int.Cl. F22B 37/50 (2006.01)**
[25] EN
[54] **DEMISTER VANE IN SITU CLEANING FIXTURE**
[54] **ACCESSOIRE DE NETTOYAGE IN SITU D'AUBES DE SEPARATEUR DE BROUILLARD**
[72] PRABHU, PADMANABHA J., US
[73] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2013-06-21
[86] 2012-01-05 (PCT/US2012/020274)
[87] (WO2012/094455)
[30] US (61/429,785) 2011-01-05
[30] US (13/343,736) 2012-01-05

[11] **2,825,626**
[13] C
[51] **Int.Cl. B01J 32/00 (2006.01)**
[25] EN
[54] **MODULAR CATALYST BED SUPPORT**
[54] **SUPPORT DE LIT CATALYTIQUE MODULAIRE**
[72] RAMOS, ANTONIO O., US
[72] UMANSKY, BENJAMIN S., US
[72] TRACY, WILLIAM J., III, US
[72] GANDHI, RAMESH X., US
[72] KORSTEN, HANS G., US
[72] WYATT, JOHN T., JR., US
[72] NOVAK, WILLIAM J., US
[73] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2013-07-24
[86] 2012-03-16 (PCT/US2012/029350)
[87] (WO2012/125888)
[30] US (61/453,214) 2011-03-16
[30] US (13/420,737) 2012-03-15

[11] **2,825,833**
[13] C
[51] **Int.Cl. C10G 47/00 (2006.01)**
[25] EN
[54] **FUELS HYDROCRACKING WITH DEWAXING OF FUEL PRODUCTS**
[54] **HYDROCRAQUAGE DE CARBURANTS AVEC DEPARAFFINAGE DE PRODUITS DE CARBURANT**
[72] DOUGHERTY, RICHARD C., US
[72] NOVAK, WILLIAM J., US
[72] SHIH, STUART S., US
[72] MCCARTHY, STEPHEN J., US
[72] DAAGE, MICHEL A., US
[73] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2013-07-26
[86] 2012-03-29 (PCT/US2012/031055)
[87] (WO2012/135403)
[30] US (61/470,077) 2011-03-31
[30] US (13/432,098) 2012-03-28

[11] **2,826,012**
[13] C
[51] **Int.Cl. F16L 11/12 (2006.01) A61M 39/08 (2006.01) B29C 53/58 (2006.01) F16L 11/118 (2006.01) F16L 11/24 (2006.01)**
[25] EN
[54] **FLEXIBLE TUBING WITH EMBEDDED HELICAL CONDUCTORS AND METHOD OF MAKING**
[54] **TUYAU SOUPLE DOTE DE CONDUCTEURS HELICOIDAUX INCORPORES ET PROCEDE DE REALISATION ASSOCIES**
[72] CARLSON, ERIC, US
[73] STEWARD PLASTICS, INC., US
[85] 2013-07-29
[86] 2011-09-24 (PCT/US2011/001642)
[87] (WO2012/128736)
[30] US (13/065,563) 2011-03-24
[30] US (13/066,972) 2011-04-30

[11] **2,827,305**
[13] C
[51] **Int.Cl. G10L 19/00 (2013.01)**
[25] EN
[54] **NOISE GENERATION IN AUDIO CODECS**
[54] **GENERATION DE BRUIT DANS DES CODECS AUDIO**
[72] SETIAWAN, PANJI, DE
[72] WILDE, STEPHAN, DE
[72] LOMBARD, ANTHONY, DE
[72] DIETZ, MARTIN, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2013-08-13
[86] 2012-02-14 (PCT/EP2012/052464)
[87] (WO2012/110482)
[30] US (61/442,632) 2011-02-14

[11] **2,828,481**
[13] C
[51] **Int.Cl. F03B 17/02 (2006.01) F03B 13/00 (2006.01) F03B 13/06 (2006.01)**
[25] EN
[54] **APPARATUS UTILIZING BUOYANCY FORCES AND METHOD FOR USING SAME**
[54] **APPAREIL UTILISANT LES FORCES DE FLOTTABILITE ET SON PROCEDE D'UTILISATION**
[72] TRAVIS, WAYNE S., US
[73] TRAVIS, WAYNE S., US
[85] 2013-08-27
[86] 2011-11-09 (PCT/US2011/060036)
[87] (WO2012/064877)
[30] US (61/411,772) 2010-11-09

[11] **2,831,132**
[13] C
[51] **Int.Cl. H04L 12/16 (2006.01) H04W 8/18 (2009.01) G06F 3/14 (2006.01)**
[25] EN
[54] **PRESENCE AND GEOGRAPHIC LOCATION NOTIFICATION**
[54] **NOTIFICATION DE LOCALISATION DE PRESENCE ET DE POSITION GEOGRAPHIQUE**
[72] FISH, EDMUND J., US
[73] FACEBOOK, INC., US
[86] (2831132)
[87] (2831132)
[22] 2004-05-20
[62] 2,526,187
[30] US (60/471,743) 2003-05-20

[11] **2,837,952**
[13] C
[51] **Int.Cl. H04N 19/573 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/186 (2014.01)**
[25] EN
[54] **ENHANCED INTRA-PREDICTION MODE SIGNALING FOR VIDEO CODING USING NEIGHBORING MODE**
[54] **MEILLEURE SIGNALISATION DU MODE DE PREVISION INTERNE POUR UN CODAGE VIDEO A L'AIDE D'UN MODE VOISIN**
[72] CHIEN, WEI-JUNG, US
[72] KARCZEWICZ, MARTA, US
[72] WANG, XIANGLIN, US
[73] QUALCOMM INCORPORATED, US
[85] 2013-11-29
[86] 2012-06-08 (PCT/US2012/041545)
[87] (WO2012/170812)
[30] US (61/495,332) 2011-06-09
[30] US (61/503,712) 2011-07-01
[30] US (61/504,664) 2011-07-05
[30] US (61/533,118) 2011-09-09
[30] US (13/491,076) 2012-06-07

[11] **2,839,235**
[13] C
[51] **Int.Cl. B66D 5/00 (2006.01) B66B 11/08 (2006.01) B66D 1/54 (2006.01) B66D 1/74 (2006.01)**
[25] EN
[54] **ENDLESS CABLE WINCH**
[54] **TREUIL A CABLE SANS FIN**
[72] ROTTLAENDER, THOMAS, DE
[72] OTT, KLAUS-DIETER, DE
[72] GSELL, JUERGEN, DE
[73] TRACTEL GREIFZUG GMBH, DE
[85] 2013-12-12
[86] 2012-06-28 (PCT/EP2012/062573)
[87] (WO2013/004588)
[30] DE (10 2011 106 636.9) 2011-07-04

[11] **2,841,406**
[13] C
[51] **Int.Cl. A61N 1/378 (2006.01) A61N 1/40 (2006.01)**
[25] EN
[54] **FAR FIELD RADIATIVE POWERING OF IMPLANTABLE MEDICAL THERAPY DELIVERY DEVICES**
[54] **ALIMENTATION PAR RAYONNEMENT DE CHAMP ELOIGNE POUR DES DISPOSITIFS D'ADMINISTRATION DE THERAPIE MEDICALE IMPLANTABLES**
[72] CHOW, ERIC Y., US
[73] CYBERONICS, INC., US
[85] 2014-01-10
[86] 2012-04-03 (PCT/US2012/032009)
[87] (WO2013/009371)
[30] US (61/507,992) 2011-07-14
[30] US (13/433,907) 2012-03-29

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[11] **2,843,571**
[13] C
[51] **Int.Cl. A61F 5/00 (2006.01) A61B 17/00 (2006.01) A61B 17/12 (2006.01)**
[25] EN
[54] **DEVICE FOR INTERMITTENTLY OBSTRUCTING A GASTRIC OPENING AND METHOD OF USE**
[54] **DISPOSITIF D'OBSTRUCTION INTERMITTENTE D'UN ORIFICE GASTRIQUE ET SON PROCEDE D'UTILISATION**
[72] BURNETT, DANIEL ROGERS, US
[72] NARCISO, HUGH, US
[72] PAPSA, PAUL, US
[72] WISER, DAVID, US
[72] MEADE, STEPHEN L., US
[73] BARONOVA, INC., US
[86] (2843571)
[87] (2843571)
[22] 2008-09-05
[62] 2,698,729
[30] US (60/970,619) 2007-09-07

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[11] **2,843,848**
[13] C
[51] **Int.Cl. C23C 22/50 (2006.01) B05D 7/14 (2006.01) C23C 22/53 (2006.01) C23C 22/56 (2006.01) C23C 22/74 (2006.01) C23C 22/83 (2006.01)**
[25] EN
[54] **ZIRCONIUM PRETREATMENT COMPOSITIONS CONTAINING A RARE EARTH METAL, ASSOCIATED METHODS FOR TREATING METAL SUBSTRATES, AND RELATED COATED METAL SUBSTRATES**
[54] **COMPOSITIONS DE PRETRAITEMENT DU ZIRCONIUM CONTENANT UN METAL DES TERRES RARES, PROCEDES ASSOCIES DE TRAITEMENT DES SUBSTRATS METALLIQUES ET SUBSTRATS METALLIQUES REVETUS ASSOCIES**
[72] SILVERNAIL, NATHAN J., US
[72] MCMILLEN, MARK W., US
[72] CHENG, SHAN, US
[73] PPG INDUSTRIES OHIO, INC., US
[85] 2014-01-31
[86] 2012-05-29 (PCT/US2012/039820)
[87] (WO2013/019303)
[30] US (13/197,075) 2011-08-03

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[11] **2,845,928**
[13] C
[51] **Int.Cl. G01L 1/14 (2006.01) G01L 17/00 (2006.01)**
[25] EN
[54] **VEHICLE TYRE PRESSURE CHECKING**
[54] **CONTROLE DE PRESSION DE PNEU DE VEHICULE**
[72] ROSE, PETER NORMAN, GB
[72] TAYLOR, PAUL MICHAEL, GB
[73] WHEELRIGHT LIMITED, GB
[85] 2014-02-20
[86] 2012-07-23 (PCT/GB2012/051765)
[87] (WO2013/027010)
[30] GB (1114366.6) 2011-08-22

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[11] **2,846,316**
[13] C
[51] **Int.Cl. H04B 17/00 (2015.01) G10L 13/00 (2006.01) G10L 15/00 (2013.01) H04W 88/02 (2009.01)**
[25] EN
[54] **VOICE BASED AUTOMATION TESTING FOR HANDS FREE MODULE**
[54] **ESSAI D'AUTOMATISATION VOCALE POUR MODULE « MAINS LIBRES »**
[72] RAJAGOPAL, VIDYA, IN
[72] NAIDU, DIVYA KILARI CHANDRABABU, IN
[72] GRACE, MARIN, IN
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
[86] (2846316)
[87] (2846316)
[22] 2014-03-13
[30] IN (1080/CHE/2013) 2013-03-14
[30] US (13/829,677) 2013-03-14

[11] **2,849,425**
[13] C
[51] **Int.Cl. A01N 43/72 (2006.01) A01N 31/14 (2006.01) A01N 35/04 (2006.01) A01N 37/18 (2006.01) A01N 37/24 (2006.01) A01N 37/28 (2006.01) A01N 37/34 (2006.01) A01N 37/46 (2006.01) A01N 37/50 (2006.01) A01N 37/52 (2006.01) A01N 43/28 (2006.01) A01N 43/32 (2006.01) A01N 43/36 (2006.01) A01N 43/40 (2006.01) A01N 43/42 (2006.01) A01N 43/50 (2006.01) A01N 43/54 (2006.01) A01N 43/56 (2006.01) A01N 43/58 (2006.01) A01N 43/653 (2006.01) A01N 43/707 (2006.01) A01N 43/76 (2006.01) A01N 43/78 (2006.01) A01N 43/88 (2006.01) A01N 43/90 (2006.01) A01N 47/02 (2006.01) A01N 47/04 (2006.01) A01N 47/12 (2006.01) A01N 47/18 (2006.01) A01N 47/24 (2006.01) A01N 47/28 (2006.01) A01N 47/34 (2006.01) A01N 47/38 (2006.01) A01N 47/40 (2006.01) A01N 47/44 (2006.01) A01N 51/00 (2006.01) A01N 55/02 (2006.01) A01N 57/12 (2006.01) A01N 57/14 (2006.01) A01N 57/16 (2006.01) A01N 63/02 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **AGRICULTURAL AND HORTICULTURAL FUNGICIDAL COMPOSITIONS COMPRISING QUINOLINE DERIVATIVES AND A SECOND ACTIVE**
[54] **COMPOSITIONS FONGICIDES POUR L'AGRICULTURE ET L'HORTICULTURE COMPORTANT DES DERIVES DE QUINOLEINE ET UN SECOND ACTIF**
[72] KUWAHARA, RAITO, JP
[73] NIPPON SODA CO., LTD., JP
[85] 2014-03-20
[86] 2012-09-24 (PCT/JP2012/074401)
[87] (WO2013/047441)
[30] JP (2011-209969) 2011-09-26

[11] **2,851,607**
[13] C
[51] **Int.Cl. H04N 21/43 (2011.01) H04N 7/015 (2006.01) H04N 7/08 (2006.01)**
[25] EN
[54] **BROADCAST SERVICE RECEIVING METHOD AND BROADCAST SERVICE RECEIVING APPARATUS**
[54] **PROCEDE DE RECEPTION DE SERVICE DE DIFFUSION ET APPAREIL DE RECEPTION DE SERVICE DE DIFFUSION**
[72] LEE, JOONHUI, KR
[72] KIM, SANGHYUN, KR
[72] THOMAS, GOMER, US
[72] JI, AETTIE, KR
[72] KIM, JINPIL, KR
[72] KIM, KYUNGHO, KR
[72] MOON, KYOUNGSOO, KR
[73] LG ELECTRONICS INC., KR
[85] 2014-04-09
[86] 2012-10-22 (PCT/KR2012/008687)
[87] (WO2013/058633)
[30] US (61/549,725) 2011-10-20
[30] US (61/558,455) 2011-11-11
[30] US (61/559,679) 2011-11-14
[30] US (61/568,633) 2011-12-08
[30] US (61/578,862) 2011-12-21
[30] US (61/595,146) 2012-02-05
[30] US (61/596,714) 2012-02-08
[30] US (61/606,460) 2012-03-04

[11] **2,853,509**
[13] C
[51] **Int.Cl. F01P 7/12 (2006.01) B21D 22/14 (2006.01) F16D 27/14 (2006.01)**
[25] EN
[54] **METHOD AND MOULD FOR MANUFACTURING DRIVE PLATE OF ELECTROMAGNETIC FAN CLUTCH, AND MANUFACTURED DRIVE PLATE**
[54] **PROCEDE ET MOULE POUR FABRIQUER UNE PLAQUE MENANTE D'EMBRAYAGE DE VENTILATEUR ELECTROMAGNETIQUE, ET FABRICATION DE LA PLAQUE MENANTE**
[72] WANG, ZHAOYU, CN
[72] XING, ZIYI, CN
[72] LV, SHOUWEI, CN
[73] LONGKOU ZHONGYU MACHINERY CO., LTD, CN
[85] 2014-04-25
[86] 2011-10-27 (PCT/CN2011/081430)
[87] (WO2013/060008)

[11] **2,858,654**
[13] C
[51] **Int.Cl. G06F 17/30 (2006.01) H04N 21/2343 (2011.01) H04L 29/08 (2006.01)**
[25] EN
[54] **MEDIA SERVICE AND METHOD FOR DELIVERY OF STORED MEDIA**
[54] **SERVICE MULTIMEDIA ET PROCEDE DE DISTRIBUTION DE CONTENU MULTIMEDIA STOCKE**
[72] ROTH, TODD STUART, US
[72] MOOTE, STANLEY ROBERT, CA
[73] IMAGINE COMMUNICATIONS CORP., US
[85] 2014-06-09
[86] 2012-12-06 (PCT/US2012/068062)
[87] (WO2013/086066)
[30] US (13/313,201) 2011-12-07

[11] **2,858,909**
[13] C
[51] **Int.Cl. E05B 37/08 (2006.01)**
[25] EN
[54] **COMBINATION LOCKS WITH IMPROVED CODE-CHANGING FEATURES**
[54] **SERRURES A COMBINAISON A CARACTERISTIQUES DE CHANGEMENT DE CODE AMELIOREES**
[72] BARRAZA, FRANCISCO JAVIER ESQUERRA, MX
[72] CARRIZOZ, VICTOR MANUEL VERGARA, MX
[72] HUGUEZ, MARIA DOLORES RUIZ, MX
[72] RAMOS, IVAN GONZALEZ, MX
[72] VALENZUELA, RICARDO, MX
[72] ZERTUCHE, SEBASTIAN GONZALEZ, MX
[73] MASTER LOCK COMPANY LLC, US
[85] 2014-06-10
[86] 2012-12-13 (PCT/US2012/069428)
[87] (WO2013/090527)
[30] US (61/569,867) 2011-12-13

[11] **2,861,694**
[13] C
[51] **Int.Cl. G01T 1/22 (2006.01) G01N 23/087 (2018.01)**
[25] EN
[54] **METHODS AND APPARATUSES FOR MEASURING EFFECTIVE ATOMIC NUMBER OF AN OBJECT**
[54] **PROCEDE ET DISPOSITIF POUR MESURER LE NUMERO ATOMIQUE EFFICACE D'UN OBJET**
[72] LI, SHUWEI, CN
[72] CHEN, ZHIQIANG, CN
[72] LI, YUANJING, CN
[72] ZHAO, ZIRAN, CN
[72] LIU, YINONG, CN
[72] ZHANG, QINGJUN, CN
[72] ZHU, WEIBIN, CN
[72] WANG, YI, CN
[72] ZHAO, SHUQING, CN
[72] ZHANG, WENJIAN, CN
[73] NUCTECH COMPANY LIMITED, CN
[73] TSINGHUA UNIVERSITY, CN
[85] 2014-06-26
[86] 2012-12-28 (PCT/CN2012/087849)
[87] (WO2013/097768)
[30] CN (201110457151.6) 2011-12-30

[11] **2,863,941**
[13] C
[51] **Int.Cl. C08G 77/54 (2006.01) B22C 1/20 (2006.01) B22C 1/22 (2006.01) C08G 18/54 (2006.01) C08K 5/42 (2006.01) C08K 5/51 (2006.01) C08K 5/54 (2006.01)**
[25] EN
[54] **COLD-BOX BINDING AGENT SYSTEMS AND MIXTURES FOR USE AS ADDITIVES FOR SUCH BINDING AGENT SYSTEMS**
[54] **SYSTEMES DE LIANTS BOITE FROIDE ET MELANGES S'UTILISANT COMME ADDITIFS DANS DE TELS SYSTEMES DE LIANTS**
[72] LADEGOURDIE, GERARD, DE
[72] DOERSCHEL, MARKUS, DE
[72] WICHMANN, URSULA, DE
[72] SERGHINI ANBARI, AMINE, DE
[72] STRUNK, DAVID, DE
[73] HUTTENES-ALBERTUS CHEMISCHE WERKE GMBH, DE
[85] 2014-08-05
[86] 2012-11-15 (PCT/EP2012/072705)
[87] (WO2013/117256)
[30] DE (10 2012 201 971.5) 2012-02-09
[30] US (61/603,660) 2012-02-27

[11] **2,866,205**
[13] C
[51] **Int.Cl. H04W 28/22 (2009.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR IMPROVING PEER COMMUNICATIONS USING AN ACTIVE COMMUNICATION MODE**
[54] **PROCEDES ET APPAREIL D'AMELIORATION DE COMMUNICATIONS D'HOMOLOGUES PAR UTILISATION D'UN MODE DE COMMUNICATION ACTIF**
[72] HILLAN, JOHN, US
[73] QUALCOMM INCORPORATED, US
[85] 2014-09-02
[86] 2013-04-08 (PCT/US2013/035657)
[87] (WO2013/155007)
[30] US (61/622,292) 2012-04-10
[30] US (13/486,741) 2012-06-01

[11] **2,866,741**
[13] C
[51] **Int.Cl. A23K 10/24 (2016.01) A23J 1/06 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING LOW-ASH POULTRY PLASMA PROTEIN POWDER BY UTILIZING POULTRY BLOOD**
[54] **PROCEDE DE PRODUCTION DE POUDRE DE PROTEINE PLASMATIQUE DE VOLAILLE A FAIBLE TENEUR EN CENDRES**
[72] CHENG, GUOXIANG, CN
[72] JIANG, GUOYONG, CN
[72] YU, WEI, CN
[72] PAN, YONG, CN
[72] ZHANG, JUN, CN
[72] ZHU, DAMING, CN
[72] LIU, MINGGANG, CN
[72] XIONG, KAIBAO, CN
[73] SHANGHAI GENON BIOLOGICAL PRODUCT CO., LTD, CN
[85] 2014-09-08
[86] 2013-03-08 (PCT/CN2013/072366)
[87] (WO2013/131494)
[30] CN (201210062535.2) 2012-03-09

[11] **2,868,272**
[13] C
[51] **Int.Cl. A01D 34/68 (2006.01) E05B 65/00 (2006.01) F16B 2/18 (2006.01) F16B 7/14 (2006.01)**
[25] EN
[54] **LOCKING DEVICE, TELESCOPIC ROD AND MOWER INCLUDING THE LOCKING DEVICE**
[54] **DISPOSITIF DE VERROUILLAGE, TIGE TELESCOPIQUE ET TONDEUSE COMPORTANT LE DISPOSITIF DE VERROUILLAGE**
[72] NIE, FANGJIE, CN
[72] LIU, QIAN, CN
[73] CHERVON INTELLECTUAL PROPERTY LIMITED, VG
[86] (2868272)
[87] (2868272)
[22] 2014-10-20
[30] CN (201310502603.7) 2013-10-23
[30] US (14/517,233) 2014-10-17

[11] **2,870,439**
[13] C
[51] **Int.Cl. H01J 49/16 (2006.01) B01D 21/26 (2006.01) B01L 3/14 (2006.01) H01J 49/26 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR COMBINED SAMPLE PREPARATION AND NANOELECTROSPRAY IONIZATION MASS SPECTROMETRY**
[54] **PREPARATION D'ECHANTILLON ET SPECTROMETRIE DE MASSE A IONISATION PAR NANO-ELECTRONEBULISATION**
[72] VALASKOVIC, GARY A., US
[73] NEW OBJECTIVE, INC., US
[85] 2014-10-14
[86] 2013-04-18 (PCT/US2013/037138)
[87] (WO2013/158858)
[30] US (61/635,563) 2012-04-19

[11] **2,870,944**
[13] C
[51] **Int.Cl. C10G 1/04 (2006.01) C10C 3/08 (2006.01)**
[25] EN
[54] **PROCESSES AND SYSTEMS FOR SOLVENT EXTRACTION OF BITUMEN FROM OIL SANDS**
[54] **PROCEDE ET SYSTEMES D'EXTRACTION AU SOLVANT DE BITUME A PARTIR DE SABLES BITUMINEUX**
[72] ADEYINKA, OLUSOLA B., CA
[72] SPEIRS, BRIAN C., CA
[72] ESMAEILI, PAYMAN, CA
[72] RHODES, ALAN, CA
[72] GLANZ, WERNER, CA
[72] PIERRE, FRITZ, JR., CA
[73] IMPERIAL OIL RESOURCES LIMITED, CA
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[86] (2870944)
[87] (2870944)
[22] 2010-12-10
[62] 2,724,806
[30] CA (2,689,469) 2009-12-30

[11] **2,872,451**
[13] C
[51] **Int.Cl. F28F 19/02 (2006.01) F22B 31/04 (2006.01) F28F 19/06 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER HAVING ENHANCED CORROSION RESISTANCE**
[54] **ECHANGEUR DE CHALEUR PRESENTANT UNE RESISTANCE ACCRUE A LA CORROSION**
[72] MIKKELSEN, LARS, DK
[73] BABCOCK & WILCOX VOLUND A/S, DK
[85] 2014-11-03
[86] 2012-05-16 (PCT/IB2012/052479)
[87] (WO2013/171547)

[11] **2,872,675**
[13] C
[51] **Int.Cl. B23K 35/36 (2006.01) B23K 9/028 (2006.01) B23K 9/09 (2006.01) B23K 35/02 (2006.01) B23K 35/368 (2006.01)**
[25] EN
[54] **ROOT PASS WELDING SOLUTION**
[54] **SOLUTION DE SOUDAGE PAR PASSE DE FOND**
[72] HUTCHISON, RICHARD MARTIN, US
[72] AMATA, MARIO ANTHONY, US
[72] BERTRAM, MICHAEL SCOTT, US
[72] XIAO, ZHIGANG, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2014-11-04
[86] 2013-07-26 (PCT/US2013/052387)
[87] (WO2014/022241)
[30] US (61/677,143) 2012-07-30
[30] US (13/837,578) 2013-03-15

[11] **2,873,419**
[13] C
[51] **Int.Cl. H04N 19/58 (2014.01) H04N 19/174 (2014.01) H04N 19/61 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **SIGNALING DATA FOR LONG TERM REFERENCE PICTURES FOR VIDEO CODING**
[54] **SIGNALISATION DE DONNEES POUR DES IMAGES DE REFERENCE A LONG TERME POUR UN CODAGE VIDEO**
[72] RAMASUBRAMONIAN, ADARSH KRISHNAN, US
[72] WANG, YE-KUI, US
[72] CHIEN, YING, US
[73] QUALCOMM INCORPORATED, US
[85] 2014-11-12
[86] 2013-05-14 (PCT/US2013/040938)
[87] (WO2013/184305)
[30] US (61/656,877) 2012-06-07
[30] US (13/828,354) 2013-03-14

[11] **2,873,450**
[13] C
[51] **Int.Cl. E21B 10/46 (2006.01) E21B 10/42 (2006.01)**
[25] EN
[54] **CUTTING ELEMENTS FOR EARTH-BORING TOOLS, EARTH-BORING TOOLS INCLUDING SUCH CUTTING ELEMENTS, AND RELATED METHODS**
[54] **ELEMENTS DE COUPE DESTINES A DES OUTILS DE FORAGE DU SOL, OUTILS DE FORAGE DU SOL COMPRENANT DE TELS ELEMENTS DE COUPE, ET PROCEDES APPARENTES**
[72] DIGIOVANNI, ANTHONY A., US
[72] KADIOGLU, YAVUZ, US
[72] SCOTT, DANNY E., US
[72] MEINER, MATTHEW J., US
[72] PESSIER, RUDOLF CARL, US
[72] LYONS, NICHOLAS J., US
[72] VAN DER RIET, CLEMENT D., ZA
[72] HERSCHELL, DONALD ROYCETON, ZA
[72] JONKER, CORNELIS ROELOF, ZA
[72] NILEN, ROGER WILLIAM NIGEL, ZA
[72] DOLAND, GERARD PETER, ZA
[73] BAKER HUGHES INCORPORATED, US
[73] ELEMENT SIX LIMITED, IE
[85] 2014-11-12
[86] 2013-05-22 (PCT/US2013/042221)
[87] (WO2013/177278)
[30] US (13/477,905) 2012-05-22

[11] **2,873,854**
[13] C
[51] **Int.Cl. B23K 11/16 (2006.01) B23K 11/11 (2006.01) B23K 11/24 (2006.01) H01H 1/06 (2006.01)**
[25] EN
[54] **SWITCHING ELECTRODE AND RESISTANCE WELDING DEVICE USING SAME, SPOT WELDING DEVICE AND SPOT WELDING METHOD**
[54] **ELECTRODE DE COMMUTATION ET DISPOSITIF DE SOUDAGE A RESISTANCE UTILISANT CELLE-CI, DISPOSITIF DE SOUDAGE PAR POINTS ET PROCEDE DE SOUDAGE PAR POINTS**
[72] MORITA, TAKAHIRO, JP
[72] MIYASAKA, SHINICHI, JP
[72] HIRUMA, YOSUKE, JP
[72] GOTO, AKIRA, JP
[72] IKEDA, TATSURO, JP
[73] HONDA MOTOR CO., LTD., JP
[85] 2014-11-17
[86] 2013-04-30 (PCT/JP2013/062671)
[87] (WO2013/172202)
[30] JP (2012-114320) 2012-05-18
[30] JP (2012-127808) 2012-06-05

[11] **2,876,280**
[13] C
[51] **Int.Cl. C12N 15/90 (2006.01) C12N 5/10 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **SITE-SPECIFIC INTEGRATION HOST CELL COMPRISING ENDOGENOUS FER1L4 GENE**
[54] **CELLULE HOTE A INTEGRATION SPECIFIQUE AU SITE RENFERMANT UN GENE FER14 ENDOGENE**
[72] RANCE, JAMES, GB
[72] YOUNG, ROBERT, GB
[72] AGOSTINO, MICHAEL J., US
[72] MOFFAT, MARK, US
[72] ZHANG, LIN, US
[72] ZHANG, BAOHONG, US
[73] LONZA BIOLOGICS PLC, GB
[73] PFIZER INC., US
[85] 2014-12-10
[86] 2013-06-20 (PCT/EP2013/062859)
[87] (WO2013/190032)
[30] US (61/663,147) 2012-06-22
[30] EP (12185330.3) 2012-09-21

[11] **2,878,493**
[13] C
[51] **Int.Cl. H01F 27/08 (2006.01) H01F 17/02 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR MITIGATING THERMAL EXCURSIONS IN AIR CORE REACTORS DUE TO WIND EFFECTS**
[54] **APPAREIL ET PROCEDE DE MODERATION D'EXCURSIONS THERMIQUES DUES A DES ACTIONS DU VENT DANS DES REACTEURS SUR AIR**
[72] GVOZDANOVIC, MARK, CA
[72] SHARP, MICHAEL, CA
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2015-01-06
[86] 2013-07-23 (PCT/CA2013/050571)
[87] (WO2014/015431)
[30] US (61/674,971) 2012-07-24
[30] US (61/813,807) 2013-04-19

[11] **2,879,447**
[13] C
[51] **Int.Cl. B32B 29/02 (2006.01) D21H 11/16 (2006.01) D21H 27/30 (2006.01) F28F 3/00 (2006.01)**
[25] EN
[54] **MULTILAYERED STRUCTURE COMPRISING FINE FIBER CELLULOSE LAYER**
[54] **STRUCTURE MULTICOUCHE COMPRENANT UNE COUCHE DE CELLULOSE A FIBRES MINCES**
[72] ONO, HIROFUMI, JP
[72] TAKASU, SHUJI, JP
[72] HORII, ATSUSHI, JP
[72] YOSHIDA, SATORU, JP
[73] ASAHI KASEI FIBERS CORPORATION, JP
[85] 2015-01-12
[86] 2013-07-19 (PCT/JP2013/069685)
[87] (WO2014/014099)
[30] JP (2012-160877) 2012-07-19

[11] **2,885,056**
[13] C
[51] **Int.Cl. G06F 17/30 (2006.01) G06F 11/14 (2006.01)**
[25] EN
[54] **CREATING VALIDATED DATABASE SNAPSHOTS FOR PROVISIONING VIRTUAL DATABASES**
[54] **CREATION D'IMAGES INSTANTANEES DE BASES DE DONNEES VALIDEES POUR ALIMENTER DES BASES DE DONNEES VIRTUELLES**
[72] STEWART, MICHAEL, US
[72] SRIHARI, VINAY, US
[72] SINHA, SUBHADEEP, US
[72] LEVENTHAL, ADAM, US
[72] AHRENS, MATTHEW, US
[73] DELPHIX CORP., US
[85] 2015-03-13
[86] 2013-10-02 (PCT/US2013/063120)
[87] (WO2014/055685)
[30] US (13/645,409) 2012-10-04

[11] **2,885,339**
[13] C
[51] **Int.Cl. A47J 19/02 (2006.01) A47J 43/046 (2006.01) A47J 43/07 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN FOOD PROCESSOR APPLIANCES**
[54] **AMELIORATIONS APPORTEES A DES APPAREILS DE TRAITEMENT D'ALIMENTS**
[72] COHEN, ELI, IL
[72] GRANT, ANN, US
[73] AAC TRADE LTD., US
[86] (2885339)
[87] (2885339)
[22] 2007-01-03
[62] 2,637,406
[30] US (11/329,054) 2006-01-11

[11] **2,888,738**
[13] C
[51] **Int.Cl. C23C 2/06 (2006.01) C21D 8/02 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C23C 2/02 (2006.01) C23C 2/28 (2006.01) C23C 2/40 (2006.01)**
[25] EN
[54] **ALLOYED HOT-DIP GALVANIZED STEEL SHEET AND METHOD OF MANUFACTURING THE SAME**
[54] **FEUILLE D'ACIER GALVANISEE PAR IMMERSION A CHAUD ALLIEE ET SON PROCEDE DE FABRICATION**
[72] FUJITA, SOSHI, JP
[72] YAMANAKA, SHINTARO, JP
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2015-04-16
[86] 2013-11-05 (PCT/JP2013/079858)
[87] (WO2014/073520)
[30] JP (2012-244274) 2012-11-06

---

[11] **2,889,992**
[13] C
[51] **Int.Cl. B31F 1/20 (2006.01) B31F 1/22 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR FLUTING A WEB IN THE MACHINE DIRECTION**
[54] **PROCEDE ET APPAREIL POUR CANNELER UNE BANDE DANS LA DIRECTION DE LA MACHINE**
[72] KOHLER, HERBERT B., US
[73] HBK FAMILY, LLC, US
[85] 2015-04-30
[86] 2013-10-30 (PCT/US2013/067598)
[87] (WO2014/070943)
[30] US (61/721,079) 2012-11-01

---

[11] **2,890,982**
[13] C
[51] **Int.Cl. H02H 7/00 (2006.01) H02H 3/20 (2006.01) H02J 3/16 (2006.01)**
[25] EN
[54] **WIND TURBINE HAVING IMPROVED OVERVOLTAGE PROTECTION**
[54] **TURBINE EOLIENNE OFFRANT UNE PROTECTION AMELIOREE CONTRE LA SURTENSION**
[72] LETAS, HEINZ-HERMANN, DE
[72] PINGEL, STEFFEN, DE
[73] SENVION SE, DE
[86] (2890982)
[87] (2890982)
[22] 2015-05-11
[30] DE (10 2014 209 332.5) 2014-05-16

---

[11] **2,891,140**
[13] C
[51] **Int.Cl. C22B 3/06 (2006.01) C22B 3/22 (2006.01) C22B 3/46 (2006.01) C22B 23/00 (2006.01)**
[25] EN
[54] **HYDROMETALLURGICAL PROCESS OF NICKEL LATERITE ORE**
[54] **PROCEDE DE TRAITEMENT HYDROMETALLURGIQUE DE MINERAI DE NICKEL LATERITIQUE**
[72] NAKAI, OSAMU, JP
[72] KOBAYASHI, HIROSHI, JP
[72] AOKI, YUJI, JP
[72] OZAKI, YOSHITOMO, JP
[72] SHOJI, HIROFUMI, JP
[72] SHIBAYAMA, KEISUKE, JP
[72] USHIO, RYOZO, JP
[72] IDEGAMI, ATSUSHI, JP
[73] SUMITOMO METAL MINING CO., LTD., JP
[86] (2891140)
[87] (2891140)
[22] 2009-09-15
[62] 2,678,724
[30] JP (2008-240550) 2008-09-19
[30] JP (2008-303497) 2008-11-28

---

[11] **2,892,174**
[13] C
[51] **Int.Cl. C07D 487/04 (2006.01)**
[25] EN
[54] **IMIDAZOPYRIDAZINE DERIVATIVES AS GABAA RECEPTOR MODULATORS**
[54] **DERIVES D'IMIDAZOPYRIDAZINE EN TANT QUE MODULATEURS D'UN RECEPTEUR GABAA**
[72] OMOTO, KIYOYUKI, GB
[72] OWEN, ROBERT MCKENZIE, GB
[72] PRYDE, DAVID CAMERON, GB
[72] WATSON, CHRISTINE ANNE LOUISE, GB
[72] TAKEUCHI, MIFUNE, GB
[73] PFIZER LIMITED, NL
[85] 2015-05-21
[86] 2013-12-04 (PCT/IB2013/060631)
[87] (WO2014/091368)
[30] US (61/737,157) 2012-12-14

---

[11] **2,893,166**
[13] C
[51] **Int.Cl. C09K 15/22 (2006.01) C08K 3/08 (2006.01) C08K 5/20 (2006.01) C08L 67/02 (2006.01)**
[25] EN
[54] **OXYGEN SCAVENGING COMPOSITIONS AND PACKAGING COMPRISING SAID COMPOSITIONS**
[54] **COMPOSITIONS DESOXYGENANTES ET EMBALLAGES COMPORTANT LESDITES COMPOSITI NS**
[72] DESHPANDE, GIRISH NILKANTH, US
[72] GOVINDARAJAN, VENKAT, US
[72] ROST, JOHN, US
[72] SILVERMAN, ALAN, US
[73] PLASTIPAK PACKAGING, INC., US
[86] (2893166)
[87] (2893166)
[22] 2006-02-15
[62] 2,597,918
[30] US (60/652,888) 2005-02-15

[11] **2,893,406**
[13] C
[51] **Int.Cl. C22B 9/10 (2006.01) C22B 34/32 (2006.01)**
[25] EN
[54] **SMELTING OF LOW GRADE CHROMITE CONCENTRATE FINES**
[54] **FUSION DE PARTICULES FINES CONCENTREES A FAIBLE TENEUR EN CHROMITE**
[72] GELDENHUYS, ISABELLA JOHANNA, ZA
[73] MINTEK, ZA
[86] (2893406)
[87] (2893406)
[22] 2015-06-02
[30] ZA (2014/04002) 2014-06-02

---

[11] **2,895,265**
[13] C
[51] **Int.Cl. G06F 21/60 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ENFORCING DATA-LOSS-PREVENTION POLICIES USING MOBILE SENSORS**
[54] **SYSTEMES ET PROCEDES DE MISE EN APPLICATION DE POLITIQUES DE PREVENTION DE LA PERTE DE DONNEES AU MOYEN DE CAPTEURS MOBILES**
[72] MARINO, DANIEL, US
[72] SHOU, DARREN, US
[72] MCCORKENDALE, BRUCE, US
[73] SYMANTEC CORPORATION, US
[85] 2015-06-15
[86] 2013-12-30 (PCT/US2013/078319)
[87] (WO2014/107435)
[30] US (13/733,131) 2013-01-02

---

[11] **2,896,887**
[13] C
[51] **Int.Cl. H01M 2/10 (2006.01) H01M 10/625 (2014.01) H01M 10/658 (2014.01) H01M 2/12 (2006.01) H01M 2/34 (2006.01) H01M 10/42 (2006.01) H01M 10/48 (2006.01) H01M 10/0525 (2010.01) H01M 10/647 (2014.01)**
[25] EN
[54] **AIRCRAFT INCLUDING MITIGATION SYSTEM FOR RECHARGEABLE BATTERIES**
[54] **AERONEF COMPRENANT UN SYSTEME D'ATTENUATION POUR BATTERIES RECHARGEABLES**
[72] JONES, KELLY T., US
[72] AMORT, ALAN D., US
[72] CARLO, ALFRED R., US
[72] LEWINSKI, DANIEL F., US
[72] MURRAY, DANIEL J., US
[72] AYUBI, HARRY H., US
[72] ROBOTHAM, CRAIG G., US
[72] PLESSNER, JULIE K., US
[72] CALLAHAN, KEVIN S., US
[72] TRENT, MICHAEL L., US
[72] MADDEN, MICHAEL R., US
[72] MALIK, MOHAMMAD M., US
[72] JOHNSON, RICHARD K., US
[72] BOGGS, ROYAL E., US
[72] BAREKATEIN, MEHDY, US
[72] DROLEN, BRUCE L., US
[72] RUSSELL, JAMES C., US
[72] LOWELL, JOHN R., US
[72] BARRERA, THOMAS P., US
[72] NORTH, TIMOTHY R., US
[72] LACAUX, FREDERIC P., US
[72] SHANGRAW, DAVID C., US
[72] OLSON, NELS S., US
[72] BELIERES, JEAN-PHILIPPE, US
[72] SMITH, MARK E., US
[72] O'BRIEN, MATTHEW J., US
[72] LORENZ, RICHARD P., US
[72] MCEACHEN, GEORGE A., US
[72] MABEN, DOUGLAS D., US
[73] THE BOEING COMPANY, US
[85] 2015-06-29
[86] 2014-02-28 (PCT/US2014/019706)
[87] (WO2014/131060)
[30] US (61/769,173) 2013-02-25
[30] US (61/769,176) 2013-02-25
[30] US (61/769,187) 2013-02-25
[30] US (61/769,110) 2013-02-25
[30] US (61/769,328) 2013-02-26
[30] US (61/769,348) 2013-02-26
[30] US (61/769,338) 2013-02-26
[30] US (14/188,683) 2014-02-24

---

[11] **2,899,556**
[13] C
[51] **Int.Cl. A62C 13/66 (2006.01) A62C 3/08 (2006.01)**
[25] EN
[54] **FIRE SUPPRESSANT DEVICE AND METHOD, INCLUDING EXPANSION AGENT**
[54] **DISPOSITIF ET PROCEDE D'EXTINCTION D'INCENDIE AVEC AGENT EXPANSIF**
[72] POPP, JAMES B., US
[73] FEDERAL EXPRESS CORPORATION, US
[86] (2899556)
[87] (2899556)
[22] 2007-03-21
[62] 2,646,019
[30] US (60/784,448) 2006-03-22

---

[11] **2,900,449**
[13] C
[51] **Int.Cl. H01L 21/203 (2006.01) C01B 33/02 (2006.01) H01L 29/06 (2006.01)**
[25] EN
[54] **METAL INDUCED NANOCRYSTALLIZATION OF AMORPHOUS SEMICONDUCTOR QUANTUM DOTS**
[54] **NANOCRISTALLISATION INDUITE PAR METAL DE POINTS QUANTIQUES DE SEMI-CONDUCTEUR AMORPHE**
[72] SINGH, VIDYA DHAR, JP
[72] CASSIDY, CATHAL, JP
[72] SOWWAN, MUKHLES IBRAHIM, JP
[73] OKINAWA INSTITUTE OF SCIENCE AND TECHNOLOGY SCHOOL CORPORATION, JP
[85] 2015-08-06
[86] 2014-03-07 (PCT/JP2014/001293)
[87] (WO2014/141662)
[30] US (61/778,967) 2013-03-13

[11] **2,900,512**
[13] C
[51] **Int.Cl. H01M 10/04 (2006.01) B32B 3/08 (2006.01) B32B 3/26 (2006.01) G02C 7/02 (2006.01) G02C 7/04 (2006.01) H01L 29/40 (2006.01) H01M 4/04 (2006.01)**
[25] EN
[54] **BIOCOMPATIBLE RECHARGABLE ENERGIZATION ELEMENTS FOR BIOMEDICAL DEVICES**
[54] **ELEMENTS D'ENERGISATION RECHARGEABLES BIOCOMPATIBLES POUR DISPOSITIFS BIOMEDICAUX**
[72] FLITSCH, FREDERICK A., US
[72] MAHADEVAN, SHIVKUMAR, US
[72] OTTS, DANIEL B., US
[72] PUGH, RANDALL B., US
[72] RIALL, JAMES DANIEL, US
[72] TONER, ADAM, US
[73] JOHNSON & JOHNSON VISION CARE, INC., US
[86] (2900512)
[87] (2900512)
[22] 2015-08-17
[30] US (62/040,178) 2014-08-21
[30] US (14/746,178) 2015-06-22

---

[11] **2,901,108**
[13] C
[51] **Int.Cl. A47C 16/00 (2006.01) A47C 20/00 (2006.01)**
[25] EN
[54] **ORTHOPEDIC PILLOW FOR TREATMENT AND PREVENTION OF LUMBAR AND THORACIC SPINE DISEASES**
[54] **OREILLER ORTHOPEDIQUE POUR LE TRAITEMENT ET LA PREVENTION DE MALADIES DU RACHIS THORACO-LOMBAIRE**
[72] KIM THI PHAM, LOAN, VN
[73] KIM THI PHAM, LOAN, VN
[85] 2015-08-12
[86] 2012-07-09 (PCT/IB2012/053508)
[87] (WO2014/009772)

---

[11] **2,901,243**
[13] C
[51] **Int.Cl. A61B 18/04 (2006.01) A61M 25/10 (2013.01)**
[25] EN
[54] **BALLOON ABLATION CATHETER AND BALLOON ABLATION CATHETER SYSTEM**
[54] **CATHETER D'ABLATION A BALLONNET ET SYSTEME DE CATHETER D'ABLATION A BALLONNET**
[72] YAGI, TAKAHIRO, JP
[72] TAKAOKA, MOTOKI, JP
[72] MATSUKUMA, AKINORI, JP
[73] TORAY INDUSTRIES, INC., JP
[85] 2015-08-13
[86] 2014-03-28 (PCT/JP2014/059181)
[87] (WO2014/157633)
[30] JP (2013-068479) 2013-03-28

---

[11] **2,901,259**
[13] C
[51] **Int.Cl. C22C 19/05 (2006.01) C22C 30/00 (2006.01)**
[25] EN
[54] **NICKEL-COBALT ALLOY**
[54] **ALLIAGE NICKEL-COBALT**
[72] GEHRMANN, BODO, DE
[72] KLOWER, JUTTA, DE
[72] FEDOROVA, TATIANA, DE
[72] ROSLER, JOACHIM, DE
[73] VDM METALS GMBH, DE
[85] 2015-08-13
[86] 2014-02-13 (PCT/DE2014/000053)
[87] (WO2014/124626)
[30] DE (10 2013 002 483.8) 2013-02-14

---

[11] **2,903,981**
[13] C
[51] **Int.Cl. G01L 19/08 (2006.01) G01L 9/06 (2006.01) G08C 15/06 (2006.01) G01M 9/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MULTIPLEXED AND BUFFERED MINIATURIZED SENSOR ARRAYS**
[54] **SYSTEME ET PROCEDE POUR RESEAUX DE CAPTEURS MINIATURISES MULTIPLEXES ET TAMPONNES**
[72] KEETER, STEVEN MARK, US
[73] MEASUREMENT SPECIALTIES, INC., US
[85] 2015-09-03
[86] 2014-03-04 (PCT/US2014/020231)
[87] (WO2014/138030)
[30] US (13/785,742) 2013-03-05

---

[11] **2,904,602**
[13] C
[51] **Int.Cl. F16D 21/08 (2006.01)**
[25] EN
[54] **BI-DIRECTIONAL OVERRUNNING CLUTCH HAVING SPLIT ROLL CAGE**
[54] **EMBRAYAGE A ROUE LIBRE BIDIRECTIONNEL AYANT UNE CAGE DE ROULEMENT FENDUE**
[72] HEATH, KELLY P., US
[72] OCHAB, DAVID C., US
[72] PALMER, JAMES E., US
[72] UPDYKE, JOHN R., US
[72] KNICKERBOCKER, HOWARD J., US
[73] THE HILLIARD CORPORATION, US
[85] 2015-09-15
[86] 2013-05-03 (PCT/US2013/039403)
[87] (WO2014/143090)
[30] US (13/832,473) 2013-03-15

[11] **2,907,353**
[13] C
[51] **Int.Cl. G10L 19/02 (2013.01) G10L 19/032 (2013.01) G10L 19/16 (2013.01)**
[25] EN
[54] **AUDIO ENCODER, AUDIO DECODER, METHOD FOR ENCODING AN AUDIO INFORMATION, METHOD FOR DECODING AN AUDIO INFORMATION AND COMPUTER PROGRAM USING A DETECTION OF A GROUP OF PREVIOUSLY-DECODED SPECTRAL VALUES**
[54] **CODEUR AUDIO, DECODEUR AUDIO, PROCEDE DE CODAGE D'UNE INFORMATION AUDIO, PROCEDE DE DECODAGE D'UNE INFORMATION AUDIO, ET PROGRAMME INFORMATIQUE UTILISANT LA DETECTION D'UN GROUPE DE VALEURS SPECTRALES PREALABLEMENT DECODEES**
[72] FUCHS, GUILLAUME, DE
[72] SUBBARAMAN, VIGNESH, DE
[72] RETTELBACH, NIKOLAUS, DE
[72] MULTRUS, MARKUS, DE
[72] GAYER, MARC, DE
[72] WARMBOLD, PATRICK, DE
[72] GRIEBEL, CHRISTIAN, DE
[72] WEISS, OLIVER, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[86] (2907353)
[87] (2907353)
[22] 2010-10-19
[62] 2,778,323
[30] US (61/253,459) 2009-10-20

---

[11] **2,907,636**
[13] C
[51] **Int.Cl. C12N 15/115 (2010.01) A61K 31/7088 (2006.01) A61P 29/00 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/06 (2006.01) A61P 37/08 (2006.01) C07H 21/00 (2006.01) C07K 14/54 (2006.01) C12N 15/00 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **APTAMER TO IL-17 AND USE THEREOF**
[54] **APTAMERE POUR IL-17 ET UTILISATION DE CELUI-CI**
[72] ISHIGURO, AKIRA, JP
[72] NAKAMURA, YOSHIKAZU, JP
[72] HARUTA, KAZUHIKO, JP
[72] OTAKI, NATSUKI, JP
[73] THE UNIVERSITY OF TOKYO, JP
[73] ZENYAKU KOGYO KABUSHIKIKAISHA, JP
[85] 2015-09-17
[86] 2014-03-20 (PCT/JP2014/057919)
[87] (WO2014/148638)
[30] JP (2013-060817) 2013-03-22

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[11] **2,908,399**
[13] C
[51] **Int.Cl. C09D 4/02 (2006.01)**
[25] EN
[54] **COATING COMPOSITION**
[54] **COMPOSITION DE REVETEMENT**
[72] HAMAKUBO, KATSUSHI, JP
[72] ITO, KAE, JP
[73] HOYA CORPORATION, JP
[85] 2015-09-28
[86] 2014-03-27 (PCT/JP2014/059047)
[87] (WO2014/157590)
[30] JP (2013-074788) 2013-03-29

---

[11] **2,908,605**
[13] C
[51] **Int.Cl. B64D 11/00 (2006.01)**
[25] EN
[54] **OVERHEAD EQUIPMENT STOWAGE POD FOR AN AIRCRAFT INTERIOR**
[54] **NACELLE DE RANGEMENT D'EQUIPEMENT AU-DESSUS DES TETES POUR UN INTERIEUR D'AVION**
[72] IVESTER, CLARENCE, US
[72] PAPKE, ROBERT, US
[73] B/E AEROSPACE, INC., US
[85] 2015-09-30
[86] 2014-04-04 (PCT/US2014/033076)
[87] (WO2014/165821)
[30] US (61/808,857) 2013-04-05

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[11] **2,909,679**
[13] C
[51] **Int.Cl. H01R 13/533 (2006.01) H01R 39/64 (2006.01) H01R 39/10 (2006.01) H02K 9/28 (2006.01)**
[25] EN
[54] **INTEGRATED SLIP-RING ASSEMBLY WITH INTERNAL TEMPERATURE- AFFECTING ELEMENT**
[54] **ENSEMBLE BAGUE COLLECTRICE INTEGREE COMPRENANT UN ELEMENT AGISSANT SUR LA TEMPERATURE INTERNE**
[72] COLEMAN, DONNIE S., US
[72] HARRIS, MICHAEL H., US
[72] WILLEMIN, TERRY A., US
[73] MOOG INC., US
[85] 2015-10-14
[86] 2014-05-21 (PCT/US2014/038892)
[87] (WO2014/204607)
[30] US (13/904,277) 2013-05-29

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[11] **2,911,282**
[13] C
[51] **Int.Cl. B65B 43/40 (2006.01)**
[25] EN
[54] **COVER REMOVAL SYSTEM FOR USE IN CONTROLLED ENVIRONMENT ENCLOSURES**
[54] **SYSTEME D'ENLEVEMENT DE COUVERCLE A UTILISER DANS DES ENCEINTES A ENVIRONNEMENT CONTROLE**
[72] GOLD, ROSS M., CA
[72] PARK, STEVE SANG JOON, CA
[72] PROCYSHYN, CHRISTOPHER A., CA
[72] IMMERZEEL, JEROEN, CA
[72] NOWACZYK, PAUL, CA
[73] VANRX PHARMASYSTEMS INC., CA
[85] 2015-11-03
[86] 2013-05-03 (PCT/US2013/039455)
[87] (WO2013/166379)
[30] US (61/642,430) 2012-05-03

[11] **2,911,560**
[13] C
[51] **Int.Cl. H01M 8/02 (2016.01) H01M 2/04 (2006.01)**
[25] EN
[54] **COVER CONFIGURATION FOR A FUEL CELL SYSTEM**
[54] **CONFIGURATION DE COUVERCLE DE SYSTEME DE PILE A COMBUSTIBLE**
[72] NAGANO, SHUJI, JP
[72] YAGAMI, YUICHI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2911560)
[87] (2911560)
[22] 2015-11-06
[30] JP (2014-232046) 2014-11-14

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[11] **2,914,050**
[13] C
[51] **Int.Cl. B41F 17/08 (2006.01) B41M 1/40 (2006.01) B41N 1/12 (2006.01)**
[25] EN
[54] **PRINTING PROCESS USING SOFT PHOTOPOLYMER PLATES**
[54] **PROCEDE D'IMPRESSION FAISANT INTERVENIR DES PLAQUES PHOTOPOLYMERES SOUPLES**
[72] CARRERAS, CHRIS, US
[73] BALL CORPORATION, US
[85] 2015-11-27
[86] 2014-06-10 (PCT/US2014/041713)
[87] (WO2014/201005)
[30] US (61/833,799) 2013-06-11

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[11] **2,915,708**
[13] C
[51] **Int.Cl. A61K 31/661 (2006.01) A61K 31/198 (2006.01) A61K 31/714 (2006.01) A61P 17/16 (2006.01) A61P 39/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR THE PREPARATION OF KIDNEY PROTECTIVE AGENTS COMPRISING AMIFOSTINE AND AMINO ACIDS**
[54] **COMPOSITIONS ET PROCEDES UTILISABLES EN VUE DE LA PREPARATION D'AGENTS PROTECTEURS RENAUX CONTENANT DE L'AMIFOSTINE ET DES ACIDES AMINES**
[72] DELPASSAND, EBRAHIM S., US
[72] TWOROWSKA, IZABELA, US
[72] THAMAKE, SANJAY, US
[72] RANGANATHAN, DAVID, US
[73] AMINOMEDIX INC., US
[85] 2015-12-09
[86] 2014-06-16 (PCT/US2014/042535)
[87] (WO2014/204854)
[30] US (61/836,561) 2013-06-18

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[11] **2,916,124**
[13] C
[51] **Int.Cl. H01H 3/02 (2006.01) H01H 13/50 (2006.01) H01H 13/52 (2006.01) H01H 13/62 (2006.01)**
[25] EN
[54] **PRESSURE-ACTUATED SAFETY SWITCH WITH MONITORING FUNCTION**
[54] **INTERRUPTEUR DE SECURITE ACTIONNABLE PAR PRESSION, A FONCTION DE CONTROLE**
[72] WIESE, ARTUR, DE
[72] BRUCHSCHMIDT, FRANK, DE
[73] EATON ELECTRICAL IP GMBH & CO. KG, DE
[85] 2015-12-18
[86] 2014-06-18 (PCT/EP2014/062805)
[87] (WO2014/202654)
[30] DE (102013106472.8) 2013-06-20

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[11] **2,916,153**
[13] C
[51] **Int.Cl. B22F 1/00 (2006.01)**
[25] EN
[54] **MIXED POWDER FOR POWDER METALLURGY, METHOD OF MANUFACTURING SAME, AND METHOD OF MANUFACTURING IRON-BASED POWDER SINTERED BODY**
[54] **POUDRE MELANGEE POUR METALLURGIE DES POUDRES, PROCEDE POUR LA PRODUCTION DE CELLE-CI ET PROCEDE POUR LA PRODUCTION DE COMPRIME FRITTE DE FORMULATION DE POUDRE A BASE DE FER**
[72] NUSHIRO, KOUICHI, JP
[72] MAETANI, TOSHIO, JP
[72] ONO, TOMOSHIGE, JP
[72] OZAKI, YUKIKO, JP
[73] JFE STEEL CORPORATION, JP
[85] 2015-12-18
[86] 2014-01-23 (PCT/JP2014/000342)
[87] (WO2015/008406)
[30] JP (2013-149526) 2013-07-18

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[11] **2,918,655**
[13] C
[51] **Int.Cl. B60K 26/02 (2006.01)**
[25] EN
[54] **ACCELERATOR PEDAL INFORMATION FEEDBACK SYSTEM**
[54] **SYSTEME DE RETROACTION D'INFORMATION DE PEDALE D'ACCELERATEUR**
[72] YANG, ANTHONY AN-TAO, CN
[72] CHEN, GORDON CHING, CN
[73] ALEEES ECO ARK (CAYMAN) CO. LTD., KY
[85] 2016-01-19
[86] 2013-07-24 (PCT/CN2013/080009)
[87] (WO2015/010276)

[11] **2,919,783**
[13] C
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/454 (2006.01) A61K 31/497 (2006.01) A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61K 31/5355 (2006.01) A61P 29/02 (2006.01) A61P 37/08 (2006.01) C07D 401/04 (2006.01) C07D 407/14 (2006.01) C07D 413/04 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **HETEROBICYCLOARYL RORC2 INHIBITORS AND METHODS OF USE THEREOF**
[54] **INHIBITEURS D'HETEROBICYCLOARYL RORC2 ET SES METHODES D'UTILISATION**
[72] BLINN, JAMES ROBERT, US
[72] FLICK, ANDREW CHRISTOPHER, US
[72] WENNERSTAL, GORAN MATTIAS, SE
[72] JONES, PETER, US
[72] KAILA, NEELU, US
[72] KIEFER, JAMES RICHARD, JR., US
[72] KURUMBAIL, RAVI G., US
[72] MENTE, SCOT RICHARD, US
[72] MEYERS, MARVIN JAY, US
[72] SCHNUTE, MARK EDWARD, US
[72] THORARENSEN, ATLI, US
[72] XING, LI, US
[72] ZAMARATSKI, EDOUARD, SE
[72] ZAPF, CHRISTOPH WOLFGANG, US
[73] PFIZER INC., US
[85] 2016-01-28
[86] 2014-07-24 (PCT/IB2014/063383)
[87] (WO2015/015378)
[30] US (61/861,709) 2013-08-02

[11] **2,920,012**
[13] C
[51] **Int.Cl. E04F 15/02 (2006.01) B32B 3/06 (2006.01) B32B 27/00 (2006.01) B32B 38/14 (2006.01) B44C 5/04 (2006.01) E04C 2/40 (2006.01)**
[25] EN
[54] **FLOOR PANEL**
[54] **PANNEAU DE SOL**
[72] MEERSSEMAN, LAURENT, BE
[72] VANHASTEL, LUC, BE
[73] FLOORING INDUSTRIES LIMITED, SARL, LU
[86] (2920012)
[87] (2920012)
[22] 2011-06-21
[62] 2,798,848
[30] BE (BE2010/0420) 2010-07-09
[30] BE (BE2010/0602) 2010-10-12
[30] BE (BE2010/0705) 2010-11-25
[30] BE (BE2010/0713) 2010-11-29
[30] BE (BE2010/0719) 2010-12-02
[30] US (61/426,734) 2010-12-23
[30] US (61/429,845) 2011-01-05
[30] BE (BE2011/0128) 2011-02-23
[30] BE (BE2011/0247) 2011-04-28
[30] IB (PCT/IB2011/051884) 2011-04-28
[30] IB (PCT/IB2011/051886) 2011-04-28

[11] **2,922,886**
[13] C
[51] **Int.Cl. E21B 33/128 (2006.01) E21B 33/12 (2006.01) E21B 33/122 (2006.01) E21B 33/124 (2006.01)**
[25] EN
[54] **PACKER HAVING SWELLABLE AND COMPRESSIBLE ELEMENTS**
[54] **GARNITURE D'ETANCHEITE COMPORTANT DES ELEMENTS GONFLABLES ET COMPRESSIBLES**
[72] GOODMAN, BRANDON C., US
[72] DERBY, MICHAEL C., US
[72] PARKER, CHARLES D., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2016-02-29
[86] 2014-08-27 (PCT/US2014/052878)
[87] (WO2015/031459)
[30] US (14/014,041) 2013-08-29

[11] **2,923,056**
[13] C
[51] **Int.Cl. C02F 11/00 (2006.01) F04D 7/04 (2006.01)**
[25] EN
[54] **SLUDGE EXTRACTION APPARATUS AND METHOD**
[54] **APPAREIL D'EXTRACTION DE BOUE ET METHODE**
[72] DOWNEY, JASON, CA
[72] WILSON, BENJAMIN, CA
[73] NEWTERRA LTD., CA
[86] (2923056)
[87] (2923056)
[22] 2016-03-07
[30] US (62/130,321) 2015-03-15

[11] **2,923,171**
[13] C
[51] **Int.Cl. A61L 2/10 (2006.01) A61M 5/24 (2006.01)**
[25] EN
[54] **SINGLE-USE DEVICE FOR INJECTION OF CARTRIDGE DRUGS**
[54] **DISPOSITIF A USAGE UNIQUE POUR L'INJECTION DE MEDICAMENTS EN CARTOUCHE**
[72] STRADER, DAVID L., US
[72] FINKE, MELVIN A., US
[72] SWISHER, DAVID R., US
[72] TREMBLAY, KATHLEEN, US
[73] KPR U.S., LLC, US
[85] 2016-03-03
[86] 2014-09-09 (PCT/US2014/054765)
[87] (WO2015/035378)
[30] US (61/875,270) 2013-09-09

[11] **2,923,416**
[13] C
[51] **Int.Cl. A61L 2/10 (2006.01) A61M 5/20 (2006.01) A61M 5/24 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **SEALED SELF-ACTIVATING INJECTION DEVICE FOR DELIVERY OF MEDICINE FROM A PREFILLED CARTRIDGE OR VIAL**
[54] **DISPOSITIF D'INJECTION ETANCHE A ACTIVATION AUTOMATIQUE DESTINE A L'ADMINISTRATION D'UN MEDICAMENT A PARTIR D'UNE CARTOUCHE OU D'UNE FIOLE PREREMPLIE**
[72] STRADER, DAVID L., US
[73] KPR U.S., LLC, US
[85] 2016-03-04
[86] 2014-09-09 (PCT/US2014/054775)
[87] (WO2015/035379)
[30] US (61/875,274) 2013-09-09

[11] **2,925,404**
[13] C
[51] **Int.Cl. F25J 3/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM OF DEHYDRATING A FEED STREAM PROCESSED IN A DISTILLATION TOWER**
[54] **PROCEDE ET SYSTEME DE DESHYDRATATION D'UN FLUX D'ALIMENTATION TRAITE DANS UNE TOUR DE DISTILLATION**
[72] NORTHROP, PAUL SCOTT, US
[72] VALENCIA, JAIME A., US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2016-03-23
[86] 2014-10-17 (PCT/US2014/061017)
[87] (WO2015/084497)
[30] US (61/912,970) 2013-12-06

[11] **2,925,410**
[13] C
[51] **Int.Cl. F25J 3/08 (2006.01) C09D 127/18 (2006.01) C10G 31/06 (2006.01) C25F 3/16 (2006.01) F25J 3/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR SEPARATING HYDROCARBONS AND CONTAMINANTS WITH A SURFACE TREATMENT MECHANISM**
[54] **PROCEDE ET DISPOSITIF PERMETTANT DE SEPARER DES HYDROCARBURES ET DES CONTAMINANTS AVEC UN MECANISME DE TRAITEMENT DE SURFACE**
[72] VALENCIA, JAIME A., US
[72] SMITH, RANSDALL KEITH, US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2016-03-23
[86] 2014-10-17 (PCT/US2014/061039)
[87] (WO2015/084501)
[30] US (61/912,987) 2013-12-06

[11] **2,927,258**
[13] C
[51] **Int.Cl. F16B 13/06 (2006.01)**
[25] EN
[54] **EXPANSION ANCHOR HAVING AN EXPANSION SLEEVE HAVING HIGH STRENGTH IN SOME REGIONS**
[54] **ELEMENT D'ANCRAGE A EXPANSION COMPORTANT UNE DOUILLE A EXPANSION TRES RESISTANTE PAR ENDROITS**
[72] GSTACH, PETER, LI
[72] WINKLER, BERNHARD, AT
[72] MEIER, ROBERT, AT
[72] RICKERS, PETER, CH
[72] SCHOLZ, PATRICK, CH
[73] HILTI AKTIENGESELLSCHAFT, LI
[85] 2016-04-13
[86] 2014-10-14 (PCT/EP2014/071952)
[87] (WO2015/058996)
[30] EP (13189555.9) 2013-10-21

[11] **2,928,281**
[13] C
[51] **Int.Cl. F16L 37/18 (2006.01)**
[25] EN
[54] **CAM AND GROOVE COUPLING WITH WIRE CLIP**
[54] **COUPLAGE DE CAME ET DE RAINURE DOTE D'UNE PINCE A FIL**
[72] LEONHARDT, DUANE, CA
[72] NOBARI, SOROUSH, CA
[73] MERCEDES TEXTILES LTD., CA
[86] (2928281)
[87] (2928281)
[22] 2016-04-27
[30] US (62/162,233) 2015-05-15

[11] **2,932,029**
[13] C
[51] **Int.Cl. G01C 21/00 (2006.01) G01S 19/14 (2010.01) G08C 17/02 (2006.01) G08G 5/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR TRACKING DISTANCE TRAVELLED BY AIRCRAFT**
[54] **PROCEDE ET SYSTEME POUR SUIVRE LA DISTANCE PARCOURUE PAR UN AERONEF**
[72] NORDINE, MALACHI, CA
[72] BALL, MICHAEL DOUGLAS, CA
[72] ROSS, GORDON MAXWELL, CA
[72] COTE, CRAIG DARIN, CA
[72] REGEHER, MICHAEL, CA
[72] MCARA, JESSICA, CA
[72] LAHAY, SCOTT, CA
[73] SKYTRAC SYSTEMS LTD., CA
[85] 2016-05-30
[86] 2015-01-19 (PCT/CA2015/000031)
[87] (WO2015/106346)
[30] US (61/929,229) 2014-01-20

[11] **2,936,491**
[13] C
[51] **Int.Cl. E21B 7/02 (2006.01) G01C 7/06 (2006.01) G01C 21/16 (2006.01) G05D 1/02 (2006.01)**
[25] EN
[54] **MINE VEHICLE AND METHOD OF DETERMINING POSITION AND DIRECTION OF MONITORED OBJECT**
[54] **VEHICULE MINIER ET PROCEDE DE DETERMINATION DE LA POSITION ET DE LA DIRECTION D'UN OBJET SURVEILLE**
[72] PUURA, JUSSI, FI
[72] VON ESSEN, TOMI, FI
[73] SANDVIK MINING AND CONSTRUCTION OY, FI
[85] 2016-07-11
[86] 2015-01-14 (PCT/EP2015/050566)
[87] (WO2015/107069)
[30] EP (PCT/EP2014/050598) 2014-01-14

[11] **2,937,665**
[13] C
[51] **Int.Cl. F01N 13/08 (2010.01) F01N 1/08 (2006.01) F16K 31/44 (2006.01)**
[25] EN
[54] **VALVE DEVICE FOR EXHAUST FLOW PASSAGE**
[54] **DISPOSITIF DE SOUPAPE POUR PASSAGE D'ECOULEMENT DES GAZ D'ECHAPPEMENT**
[72] KOBORI, KIYOMICHI, JP
[72] TSUBOSAKA, MUNEHIRO, JP
[73] FUTABA INDUSTRIAL CO., LTD., JP
[85] 2016-07-21
[86] 2015-01-14 (PCT/JP2015/050790)
[87] (WO2015/111480)
[30] JP (2014-010366) 2014-01-23

[11] **2,937,964**
[13] C
[51] **Int.Cl. G06F 8/34 (2018.01) G06F 3/0484 (2013.01) G06F 8/40 (2018.01) G06F 8/41 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR BI-DIRECTIONAL VISUAL SCRIPTING FOR PROGRAMMING LANGUAGES**
[54] **SYSTEMES ET METHODES D'ECRITURE VISUELLE BIDIRECTIONNELLE DESTINES AUX LANGAGES DE PROGRAMMATION**
[72] SALEH, BASTIAAN BRUNO, NL
[72] GATIEN, BENOIT, CA
[72] ENGLISH, TROY DAVID, CA
[73] ROSS VIDEO LIMITED, CA
[86] (2937964)
[87] (2937964)
[22] 2016-08-04
[30] US (14/836,708) 2015-08-26

[11] **2,940,676**
[13] C
[51] **Int.Cl. B21D 53/30 (2006.01) B21D 53/26 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PRODUCING HOT-FORMED WHEEL DISKS**
[54] **PROCEDE ET DISPOSITIF PERMETTANT DE PRODUIRE DES DISQUES DE ROUE FORMES A CHAUD**
[72] MARX, ARNDT, DE
[72] MUELLER, CHRISTIAN, DE
[72] PIERONEK, DAVID, DE
[72] GRUENEKLEE, AXEL, DE
[72] ZOERNACK, MARKUS, DE
[73] THYSSENKRUPP AG, DE
[73] THYSSENKRUPP STEEL EUROPE AG, DE
[85] 2016-05-26
[86] 2014-12-15 (PCT/EP2014/003355)
[87] (WO2015/090552)
[30] DE (10 2013 114 245.1) 2013-12-17

[11] **2,940,707**
[13] C
[51] **Int.Cl. D01F 8/00 (2006.01)**
[25] EN
[54] **COMPOSITE YARN WITH GLASS CORE**
[54] **FIBRE COMPOSITE A COEUR EN VERRE**
[72] COUTURE, SEBASTIEN, CA
[72] BOULANGER, DAVID, CA
[73] FILSPEC INC., CA
[86] (2940707)
[87] (2940707)
[22] 2016-08-29
[30] US (62/211,133) 2015-08-28

[11] **2,940,809**
[13] C
[51] **Int.Cl. F16H 63/34 (2006.01) F16H 61/22 (2006.01)**
[25] EN
[54] **VEHICULAR PARKING LOCK DEVICE**
[54] **DISPOSITIF DE VERROUILLAGE DE STATIONNEMENT DE VEHICULE**
[72] MUKAI, TOMOAKI, JP
[72] YOSHIDA, SHUNSUKE, JP
[72] TACHIBANADA, YUYA, JP
[73] HONDA MOTOR CO., LTD., JP
[85] 2016-08-25
[86] 2015-01-16 (PCT/JP2015/051065)
[87] (WO2015/151550)
[30] JP (2014-073498) 2014-03-31

[11] **2,941,001**
[13] C
[51] **Int.Cl. A61B 10/02 (2006.01)**
[25] EN
[54] **BIOPSY NEEDLE ACTUATOR ASSEMBLY**
[54] **DISPOSITIF ACTIONNEUR D'AIGUILLE DE BIOPSIE**
[72] STONE, NELSON, US
[72] SCHECHTER, DAVE, US
[73] 3DBIOPSY, INC., US
[85] 2016-08-26
[86] 2015-02-27 (PCT/US2015/018199)
[87] (WO2015/131162)
[30] US (61/946,366) 2014-02-28

[11] **2,941,553**
[13] C
[51] **Int.Cl. F16H 61/22 (2006.01)**
[25] EN
[54] **VEHICULAR PARKING LOCK DEVICE**
[54] **DISPOSITIF DE VERROUILLAGE DE STATIONNEMENT DE VEHICULE**
[72] TACHIBANADA, YUYA, JP
[72] MOCHIZUKI, TETSUYA, JP
[72] ISHIKAWA, YUTAKA, JP
[72] YOSHIDA, SHUNSUKE, JP
[72] MUKAI, TOMOAKI, JP
[73] HONDA MOTOR CO., LTD., JP
[85] 2016-09-02
[86] 2015-01-26 (PCT/JP2015/051976)
[87] (WO2015/151561)
[30] JP (2014-075116) 2014-04-01

[11] **2,943,300**
[13] C
[51] **Int.Cl. B60K 11/02 (2006.01)**
[25] EN
[54] **TEMPERATURE CONTROL SYSTEM AND ELECTRIC VEHICLE USING SAME**
[54] **SYSTEME DE REGULATION DE TEMPERATURE ET VEHICULE ELECTRIQUE ADAPTE A CELUI-CI**
[72] YANG, ANTHONY AN-TAO, CN
[72] CHEN, GORDON CHING, CN
[73] ALEEES ECO ARK (CAYMAN) CO. LTD., KY
[85] 2016-09-20
[86] 2015-03-20 (PCT/CN2015/074767)
[87] (WO2015/139661)
[30] US (61/968,801) 2014-03-21

[11] **2,943,923**
[13] C
[51] **Int.Cl. G01N 33/543 (2006.01) G01N 33/53 (2006.01) G01N 33/94 (2006.01)**
[25] EN
[54] **SOLID PHASE MULTI-ANALYTE ASSAY**
[54] **DOSAGE MULTI-ANALYTES EN PHASE SOLIDE**
[72] HILL, VIRGINIA, US
[72] ATEFI, MOHAMMAD, US
[72] SCHAFFER, MICHAEL L, US
[73] PSYCHEMEDICS CORPORATION, US
[86] (2943923)
[87] (2943923)
[22] 2009-04-29
[62] 2,723,162
[30] US (61/048,892) 2008-04-29

[11] **2,953,745**
[13] C
[51] **Int.Cl. G06F 8/34 (2018.01) G06F 8/20 (2018.01) G06F 8/35 (2018.01) G06F 3/14 (2006.01) G06F 17/30 (2006.01)**
[25] EN
[54] **INTEGRATED DEVELOPER WORKFLOW FOR DATA VISUALIZATION DEVELOPMENT**
[54] **FLUX DE TRAVAIL DE DEVELOPPEUR INTEGRE DESTINE AU DEVELOPPEMENT DE LA VISUALISATION DE DONNEES**
[72] CATANIA, JEFFREY, US
[72] DHARMA, TIFFANY, US
[72] PANG, AARON, US
[72] TUNG, TERESA SHEAUSAN, US
[73] ACCENTURE GLOBAL SOLUTIONS LIMITED, IE
[86] (2953745)
[87] (2953745)
[22] 2017-01-05
[30] US (15/016,504) 2016-02-05

[11] **2,958,772**
[13] C
[51] **Int.Cl. F24F 13/02 (2006.01) A01K 1/00 (2006.01) F24F 7/06 (2006.01)**
[25] EN
[54] **AIR DUCT SYSTEMS AND METHODS OF AIR FLOW CONTROL**
[54] **SYSTEMES DE CONDUIT D'AIR ET PROCEDES DE REGULATION DE DEBIT D'AIR**
[72] LEITERMAN, RYAN, US
[73] LEITERMAN AND ASSOCIATES, INC., US
[85] 2017-02-15
[86] 2016-06-24 (PCT/US2016/039285)
[87] (WO2016/210284)
[30] US (62/184,769) 2015-06-25
[30] US (14/825,637) 2015-08-13

[11] **2,961,165**
[13] C
[51] **Int.Cl. A01F 15/08 (2006.01) A01F 15/04 (2006.01)**
[25] EN
[54] **SQUARE BALER PROVIDING SIDE-TO-SIDE BALE UNIFORMITY**
[54] **RAMASSEUSE-PRESSE DE BALLES CARREES FOURNISSANT UNE UNIFORMITE DE BALLE LATERALE**
[72] SCHRAG, THOMAS G., US
[72] RETZLAFF, LAWRENCE D., US
[73] AGCO CORPORATION, US
[85] 2017-03-10
[86] 2015-12-14 (PCT/US2015/065593)
[87] (WO2016/100223)
[30] US (62/093,875) 2014-12-18

[11] **2,961,470**
[13] C
[51] **Int.Cl. F26B 21/06 (2006.01) F24F 3/14 (2006.01) F25B 29/00 (2006.01) F26B 21/04 (2006.01) F26B 23/00 (2006.01)**
[25] EN
[54] **HIGH TEMPERATURE DEHUMIDIFICATION DRYING SYSTEM**
[54] **SYSTEME DE SECHAGE ET DESHUMIDIFICATION HAUTE TEMPERATURE**
[72] LEWIS, DONALD C., US
[73] LEWIS, DONALD C., US
[86] (2961470)
[87] (2961470)
[22] 2017-03-20
[30] US (15/259,658) 2016-09-08

[11] **2,963,353**
[13] C
[51] **Int.Cl. A42B 3/04 (2006.01)**
[25] EN
[54] **ADJUSTABLE HOCKEY HELMET**
[54] **CASQUE DE HOCKEY AJUSTABLE**
[72] BELANGER, GUILLAUME, CA
[72] BELAND, JEAN-FRANCOIS, CA
[73] BAUER HOCKEY LTD., CA
[86] (2963353)
[87] (2963353)
[22] 2008-08-15
[62] 2,916,360
[30] US (61/956,621) 2007-08-17

[11] **2,973,142**
[13] C
[51] **Int.Cl. H03M 1/18 (2006.01)**
[25] EN
[54] **HIGH DYNAMIC RANGE ANALOG-TO-DIGITAL CONVERSION WITH SELECTIVE REGRESSION BASED DATA REPAIR**
[54] **CONVERSION ANALOGIQUE-NUMERIQUE A PLAGE DYNAMIQUE ELEVEE A REPARATION DE DONNEES REPOSANT SUR UNE REGRESSION SELECTIVE**
[72] ANDERSON, MATT, US
[72] POPOVICH, STEVEN, US
[73] SOUND DEVICES, LLC, US
[85] 2017-07-05
[86] 2016-02-10 (PCT/US2016/017281)
[87] (WO2016/133751)
[30] US (62/116,770) 2015-02-16

Canadian Applications Open to Public Inspection

January 21, 2018 to January 27, 2018

Demandes canadiennes mises à la disponibilité du public

21 janvier 2018 au 27 janvier 2018

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[21] **2,935,130**
[13] A1
[51] **Int.Cl. G06F 21/56 (2013.01)**
[25] EN
[54] **ENCRYPTED DATA - COMPUTER VIRUS, MALWARE AND RANSOM WARE DETECTION SYSTEM**
[54] **DONNEES CHIFFREES - SYSTEME DE DETECTION DE VIRUS INFORMATIQUE, LOGICIEL MALVEILLANT ET RANCONGICIEL**
[72] KAMALUDEEN, MIRZA, CA
[71] KAMALUDEEN, MIRZA, CA
[22] 2016-07-26
[41] 2018-01-26

---

[21] **2,936,798**
[13] A1
[51] **Int.Cl. F21V 99/00 (2006.01) F21S 4/10 (2016.01) F21V 21/08 (2006.01)**
[25] EN
[54] **MINI LIGHT MACHINE SYSTEMS**
[54] **SYSTEMES DE MACHINE DE MINI ECLAIRAGE**
[72] FRANCESCHINA, KAREN S., CA
[71] FRANCESCHINA, KAREN S., CA
[22] 2016-07-22
[41] 2018-01-21
[30] US (15216671) 2016-07-21

---

[21] **2,936,801**
[13] A1
[51] **Int.Cl. F41H 1/00 (2006.01) A41D 13/00 (2006.01) A41D 13/015 (2006.01) A63B 71/12 (2006.01) F41H 1/02 (2006.01)**
[25] EN
[54] **ARMPIT, UNDERARM, FOREARM DEFENSIVE, WRIST, THROAT, CHEST AND BACK OF NECK SOFT BODY ARMOR FOR USE UNDER A PROTECTIVE VEST OR TOGETHER WITH OTHER PROTECTIVE GEAR**
[54] **VETEMENT SOUPLE PROTECTEUR DES AISSELLES, DU DESSOUS DES BRAS, DE DEFENSE DE L'AVANT-BRAS, DES POIGNETS, DE LA GORGE, DE LA POITRINE, DE L'ARRIERE DU COU DESTINE A UNE UTILISATIONSOUS UNE VESTE DE PROTECTION OU EN COMBINAISON AVEC UN AUTRE VETEMENT DE PROTECTION**
[72] SERO, JEFFREY S., CA
[71] SERO, JEFFREY S., CA
[22] 2016-07-22
[41] 2018-01-22

---

[21] **2,936,813**
[13] A1
[51] **Int.Cl. B66C 1/22 (2006.01)**
[25] EN
[54] **SPREADER FRAME**
[54] **CHASSIS D'EPANDEUSE**
[72] SANDROWSKI, BJORN R., CA
[71] SANDROWSKI, BJORN R., CA
[22] 2016-07-22
[41] 2018-01-22

---

[21] **2,936,854**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/30 (2012.01) G06F 17/30 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR ASSESSING AND MANAGING ASSET CONDITION**
[54] **METHODES ET SYSTEMES D'EVALUATION ET DE GESTION D'ETAT D'ACTIFS**
[72] HELSTAB, EDMOND, CA
[71] HELSTAB, EDMOND, CA
[22] 2016-07-22
[41] 2018-01-22

---

[21] **2,936,896**
[13] A1
[51] **Int.Cl. A61K 33/26 (2006.01) A61K 33/00 (2006.01) A61P 17/02 (2006.01) A61P 31/02 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **ANTIBACTERIAL CLAY COMPOSITIIONS FOR USE AS A TOPICAL OINTMENT**
[54] **COMPOSITIONS D'ARGILE ANTIBACTERIENNES DESTINEES A UNE UTILISATION COMME ONGUENT TOPIQUE**
[72] TUBA, TIM, CA
[71] BISHOPSGATE EXPLORATION LTD., CA
[22] 2016-07-22
[41] 2018-01-22

[21] **2,936,915**
[13] A1
[51] **Int.Cl. A63B 23/035 (2006.01) A61B 5/22 (2006.01) A63B 71/06 (2006.01)**
[25] EN
[54] **ARM RESTRAINT SIMULATOR MACHINE**
[54] **MACHINE DE SIMULATEUR DE LIMITEUR DE BRAS**
[72] STREPPEL, ANTHONY, CA
[71] MINISTRY OF COMMUNITY SAFETY AND CORRECTIONAL SERVICES, CA
[22] 2016-07-22
[41] 2018-01-22

---

[21] **2,936,983**
[13] A1
[51] **Int.Cl. A61H 3/04 (2006.01) A61B 5/11 (2006.01) A61G 5/02 (2006.01) A61G 5/10 (2006.01)**
[25] EN
[54] **SMART-ROLLATOR WITH EVERYDAY LIFE ADAPTED CHASSIS, FALL DETECTION SYSTEM, AUTOMATIC BRAKING AND ANTI-ROLL BACK SYSTEMS, MANUFACTURING METHOD AND USAGES THEREOF**
[54] **DEAMBULATEUR INTELLIGENT DESTINE A UN CHASSIS ADAPTE POUR LA VIE QUOTIDIENNE, SYSTEME DE DETECTION DE CHUTE, FREINAGE AUTOMATIQUE ET SYSTEME ANTI-RECUL, METHODE DE FABRICATION ET UTILISATIONS ASSOCIEES**
[72] LANDRY, JEAN-MARC, CA
[72] LANDRY, MICHEL, CA
[71] LANDRY, JEAN-MARC, CA
[71] LANDRY, MICHEL, CA
[22] 2016-07-22
[41] 2018-01-22

---

[21] **2,936,992**
[13] A1
[51] **Int.Cl. F16L 3/00 (2006.01)**
[25] EN
[54] **PIPE SUPPORT**
[54] **SUPPORT DE TUYAU**
[72] STATTERS, MICHAEL, CA
[71] STATTERS, MICHAEL, CA
[22] 2016-07-22
[41] 2018-01-22

---

[21] **2,936,993**
[13] A1
[51] **Int.Cl. G08B 21/02 (2006.01) H04W 64/00 (2009.01)**
[25] EN
[54] **WETRAQ - GLOBAL WIFI TRACKING DEVICE**
[54] **WETRAQ - DISPOSITIF DE SUIVI WIFI MONDIAL**
[72] UNKNOWN, ZZ
[71] SINGLA, ISHAAN IS, CA
[22] 2016-07-22
[41] 2018-01-22

---

[21] **2,936,994**
[13] A1
[51] **Int.Cl. A61K 49/00 (2006.01) A61B 5/055 (2006.01) A61B 6/00 (2006.01)**
[25] EN
[54] **METHOD FOR MULTIMODAL TISSUE IMAGING BASED ON RESONANCE RAMAN EFFECT ON METAL BASED MRI CONTRAST AGENTS**
[54] **METHODE D'IMAGERIE DE TISSUS MULTIMODALE FONDEE SUR L'EFFET RAMAN EN RESONANCE SUR LE METAL FONDE SUR DES AGENTS DE CONTRASTE D'IRM**
[72] UNKNOWN, ZZ
[72] FRANJIC, KRESIMIR, CA
[71] FRANJIC, KRESIMIR, CA
[22] 2016-07-22
[41] 2018-01-22

---

[21] **2,937,002**
[13] A1
[51] **Int.Cl. C03C 3/076 (2006.01)**
[25] EN
[54] **METHOD FOR VITRIFICATION OF ARSENIC AND ANTIMONY**
[54] **METHODE DE VITRIFICATION D'ARSENIC ET D'ANTIMOINE**
[72] LALANCETTE, JEAN-MARC, CA
[72] LEMIEUX, DAVID, CA
[72] NASRALLAH, KHALIL, CA
[72] GARCIA CURIEL, GABRIEL, CA
[72] BARBAROUX, ROMAIN, CA
[71] DUNDEE SUSTAINABLE TECHNOLOGIES INC., CA
[22] 2016-07-21
[41] 2018-01-21

---

[21] **2,937,011**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **A MAP CENTRIC EMERGENCY AND FIELD SERVICES MANAGMENT SYSTEM**
[54] **UN SYSTEME DE GESTION DE SERVICES D'URGENCE ET SERVICES SUR PLACE CENTRE SUR UN PLAN**
[72] KENDALL, DYLAN, AU
[72] HEDENSTROEM, MARTIN, AU
[71] BURNOLOGY PTY LTD, AU
[22] 2016-07-25
[41] 2018-01-22
[30] AU (AU2016206397) 2016-07-22

---

[21] **2,937,046**
[13] A1
[51] **Int.Cl. G01N 1/42 (2006.01) G01N 1/28 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING THIN SAMPLE LAYERS**
[54] **METHODE DE PREPARATION DE COUCHES D'ECHANTILLONS MINCES**
[72] FRANJIC, KRESIMIR, CA
[71] FRANJIC, KRESIMIR, CA
[22] 2016-07-25
[41] 2018-01-25

---

[21] **2,937,047**
[13] A1
[51] **Int.Cl. H01J 49/16 (2006.01) H01J 49/04 (2006.01) H01J 49/26 (2006.01)**
[25] EN
[54] **METHOD FOR IONIZING LASER PLUMES THROUGH ATMOSPHERIC PRESSURE CHEMICAL IONIZATION**
[54] **METHODES D'IONISATION DE PANACHES LASER PAR IONISATION CHIMIQUE A PRESSION ATMOSPHERIQUE**
[72] FRANJIC, KRESIMIR, CA
[71] FRANJIC, KRESIMIR, CA
[22] 2016-07-25
[41] 2018-01-25

[21] **2,937,062**
[13] A1
[51] **Int.Cl. A63F 13/00 (2014.01)**
[25] FR
[54] **METHOD AND SYSTEM FOR THEME OR ROLE-PLAY GAMES ON A MOBILE DEVICE**
[54] **METHODE ET SYSTEME POUR LES JEUX THEMATIQUES OU DE ROLE SUR UN APPAREIL MOBILE**
[72] JEAN, MARTINE, CA
[72] BOUCHARD, CLAUDE, CA
[72] JEAN, PATRICK, CA
[71] 9203-4776 QUEBEC INC. (DJEANIUS DIVERTISSEMENT), CA
[22] 2016-07-25
[41] 2018-01-25

---

[21] **2,937,096**
[13] A1
[51] **Int.Cl. C10L 10/00 (2006.01)**
[25] EN
[54] **DYE-IT FUEL MARKING**
[54] **MARQUAGE DE CARBURANT A LA TEINTURE**
[72] PATTERSON, BRUCE, CA
[71] PATTERSON, BRUCE, CA
[22] 2016-07-26
[41] 2018-01-26

---

[21] **2,937,116**
[13] A1
[51] **Int.Cl. A47B 37/02 (2006.01) A47B 19/10 (2006.01) A47B 37/00 (2006.01)**
[25] EN
[54] **THE HELPING HAND**
[54] **LA HELPING HAND (LE COUP DE MAIN)**
[72] UNKNOWN, ZZ
[71] LEASK, JOHN, CA
[22] 2016-07-25
[41] 2018-01-25

---

[21] **2,937,117**
[13] A1
[51] **Int.Cl. E21B 43/24 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **MODULAR START-UP SYSTEM FOR A WELL PAD USED IN BITUMEN RECOVERY**
[54] **SYSTEME DE DEMARRAGE MODULAIRE DESTINE A UNE PLATEFORME D'EXPLOITATION UTILISEE POUR LA RECUPERATION DU BITUME**
[72] CONACHER, MARK, CA
[71] SUNCOR ENERGY INC., CA
[22] 2016-07-26
[41] 2018-01-26

---

[21] **2,937,157**
[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) A61K 35/17 (2015.01) A61K 38/17 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 37/06 (2006.01) C07K 16/28 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/62 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **PROTEIN-BASED T-CELL RECEPTOR KNOCKDOWN**
[54] **ECRASEMENT DE RECEPTEUR DE CELLULE T FONDE SUR UNE PROTEINE**
[72] PULE, MARTIN, GB
[72] MACIOCIA, PAUL, GB
[72] GRIMSHAW, BEN, GB
[71] UCL BUSINESS PLC, GB
[22] 2016-07-25
[41] 2018-01-25

---

[21] **2,937,192**
[13] A1
[51] **Int.Cl. A47J 41/00 (2006.01) B65D 81/38 (2006.01)**
[25] EN
[54] **TRAVEL BEVERAGE CONTAINER SYSTEMS**
[54] **SYSTEMES DE GOBELET DE VOYAGE**
[72] LARSON, JONATHAN R., CA
[71] LARSON, JONATHAN R., CA
[22] 2016-07-27
[41] 2018-01-26
[30] US (15220297) 2016-07-26

---

[21] **2,937,206**
[13] A1
[51] **Int.Cl. G10D 13/02 (2006.01)**
[25] EN
[54] **BASS DRUM ADAPTOR**
[54] **ADAPTATEUR DE GROSSE CAISSE**
[72] CAMPITELLI, MARTIN T., CA
[71] CAMPITELLI, MARTIN T., CA
[22] 2016-07-27
[41] 2018-01-27

---

[21] **2,937,208**
[13] A1
[51] **Int.Cl. E06B 1/60 (2006.01) E06B 1/52 (2006.01) E06B 1/56 (2006.01)**
[25] EN
[54] **INSTALLATION BRACKET FOR USE WITH PRE-HUNG INTERIOR AND EXTERIOR DOORS, AND WINDOWS**
[54] **SUPPORT D'INSTALLATION DESTINE A DES PORTES INTERIEURES ET EXTERIEURES PRESUSPENDUES, ET DES FENETRES**
[72] DUVAL, MICHEL ALPHONSE, CA
[72] DUVAL, ROBERTA ANNE, CA
[71] DUVAL, MICHEL ALPHONSE, CA
[71] DUVAL, ROBERTA ANNE, CA
[22] 2016-07-27
[41] 2018-01-27

---

[21] **2,937,241**
[13] A1
[51] **Int.Cl. A61K 31/4184 (2006.01) A61P 39/00 (2006.01)**
[25] EN
[54] **DMA, A BIS-BENZIMIDAZOLE, CONFERS RADIOPROTECTION TO THE INTESTINE VIA AKT/NFKB DUAL PATHWAY ACTIVATION**
[54] **DIMETHYLAMINE, UN BIS-BENZINIDAZOLE, CONFERE LA RADIOPROTECTION A L'INTESTIN PAR ACTIVATION DU PARCOURS DOUBLE AKT/NFKB**
[72] TIWARI, VINOD, IN
[72] TANDON, VIBHA, IN
[71] VIBHA TANDON AND JAWAHARLAL NEHRU UNIVERSITY (JNU), IN
[22] 2016-07-27
[41] 2018-01-27

[21] **2,937,261**
[13] A1
[51] **Int.Cl. B25B 27/00 (2006.01) B25B 33/00 (2006.01)**
[25] EN
[54] **PALLET BUSTER**
[54] **BRISE PALETTE**
[72] OSBORNE, WALLACE H., CA
[71] PLUNKETT, BRENDA J., CA
[71] OSBORNE, WALLACE H., CA
[22] 2016-07-27
[41] 2018-01-27

---

[21] **2,937,500**
[13] A1
[51] **Int.Cl. E01H 5/02 (2006.01) A01B 15/12 (2006.01) B25G 3/00 (2006.01)**
[25] EN
[54] **TWO-HANDLE SHOVEL**
[54] **PELLE A DEUX POIGNEES**
[72] CHANG, WILLIAM NAI-JEN, CA
[71] CHANG, WILLIAM NAI-JEN, CA
[22] 2016-07-26
[41] 2018-01-26

---

[21] **2,938,328**
[13] A1
[51] **Int.Cl. B62B 1/18 (2006.01)**
[25] EN
[54] **EXPEDITION CARTS AND ASSOCIATED METHODS**
[54] **CHARIOTS D'EXPEDITION ET METHODES ASOCIEES**
[72] JACKSON, THOMAS JOSEPH, JR., US
[71] JACKSON, THOMAS JOSEPH, JR., US
[22] 2016-08-05
[41] 2018-01-22
[30] US (15/217,051) 2016-07-22

---

[21] **2,938,647**
[13] A1
[51] **Int.Cl. E04D 13/076 (2006.01)**
[25] EN
[54] **EAVESTROUGH COVER**
[54] **REVETEMENT DE GOUTTIERES**
[72] BROCHU, STEPHANE, CA
[71] BROCHU, STEPHANE, CA
[22] 2016-08-11
[41] 2018-01-26
[30] US (15/330,018) 2016-07-26

---

[21] **2,939,995**
[13] A1
[51] **Int.Cl. A01K 1/01 (2006.01) A01K 1/015 (2006.01) B65F 1/06 (2006.01)**
[25] EN
[54] **PET LITTER BOX**
[54] **BAC A LITIERE POUR ANIMAL DE COMPAGNIE**
[72] MAKINS, BRANDON, CA
[71] MAKINS, BRANDON, CA
[22] 2016-08-23
[41] 2018-01-22
[30] US (15/217,615) 2016-07-22

---

[21] **2,941,032**
[13] A1
[51] **Int.Cl. C10G 29/00 (2006.01) C10G 29/04 (2006.01) C10G 29/16 (2006.01)**
[25] EN
[54] **PROCESS**
[54] **PROCEDE**
[72] DAVIES, HELEN JAYNE, GB
[72] D'MELO, DAWID JOHN, IN
[72] LAMBERT, REGINALD, CA
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[22] 2016-09-01
[41] 2018-01-22
[30] IN (201641025093) 2016-07-22

---

[21] **2,941,178**
[13] A1
[51] **Int.Cl. H01R 31/06 (2006.01) F21K 9/272 (2016.01) H01R 13/622 (2006.01) H01R 33/74 (2006.01)**
[25] EN
[54] **LUMINAIRE ADAPTOR**
[54] **ADAPTATEUR DE LUMINAIRE**
[72] LEE, SIU WOO, CH
[71] LEE, SIU WOO, CN
[22] 2016-09-06
[41] 2018-01-26
[30] CN (2016105952734) 2016-07-26
[30] CN (2016207934825) 2016-07-26

---

[21] **2,945,725**
[13] A1
[51] **Int.Cl. E04H 7/22 (2006.01) B65D 88/26 (2006.01) E21C 31/00 (2006.01)**
[25] EN
[54] **HOPPER TRANSPORTABLE IN PARTS AND ASSEMBLY METHOD**
[54] **TREMIE TRANSPORTABLE PAR PIECES ET METHODE D'ASSEMBLAGE**
[72] ZAMORANO, CLAUDIO, CL
[72] VERA, BERNARDO, CL
[72] FLORES, ANTONIO, CL
[72] JUNGE, CRISTIAN, CL
[71] MINETEC S.A., CL
[22] 2016-10-19
[41] 2018-01-21
[30] CL (1847-2016) 2016-07-21

---

[21] **2,946,509**
[13] A1
[51] **Int.Cl. B65B 3/04 (2006.01) A23L 11/00 (2016.01) A23L 25/00 (2016.01) A23L 3/02 (2006.01) B65B 25/22 (2006.01) B65B 29/00 (2006.01) B65B 55/12 (2006.01)**
[25] EN
[54] **SHELF STABLE HUMMUS FOOD PRODUCT AND MIX KIT**
[54] **PRODUIT ALIMENTAIRE DE HOUMOUS STABLE EN TABLETTE ET TROUSSE DE MELANGE**
[72] KRUVI, ALON, US
[72] BARMECHA, RAKESH, US
[71] BARUVI FRESH, LLC, US
[22] 2016-10-26
[41] 2018-01-27
[30] US (15/221,323) 2016-07-27

---

[21] **2,954,804**
[13] A1
[51] **Int.Cl. E02B 9/00 (2006.01)**
[25] EN
[54] **RIVER IN PIPE RENEWABLE ENERGY**
[54] **ENERGIE RENOUVELABLE TIREE D'UNE RIVIERE DANS UN CONDUIT**
[72] SUATAC, ISMAIL CEMIL, CA
[71] SUATAC, ISMAIL CEMIL, CA
[22] 2017-01-30
[41] 2018-01-21
[30] US (62/364,887) 2016-07-21

[21] **2,955,052**
[13] A1
[51] **Int.Cl. E06B 3/46 (2006.01) A47K 3/34 (2006.01) E05D 13/00 (2006.01)**
[25] EN
[54] **GUIDE BLOCK FOR GLASS PANEL**
[54] **BLOC-GUIDE DESTINE A UN PANNEAU DE VERRE**
[72] MIRONCHUK, VADYM, US
[72] LIEB, BRIAN, US
[72] MINKOVICH, MICHAEL, US
[71] BATH AUTHORITY LLC DBA DREAMLINE, US
[22] 2017-01-16
[41] 2018-01-21
[30] US (15/215,820) 2016-07-21

---

[21] **2,956,131**
[13] A1
[51] **Int.Cl. H05K 9/00 (2006.01) H05K 7/14 (2006.01)**
[25] EN
[54] **CARD HOLDER FOR A PORTABLE DEVICE AND METHOD**
[54] **SUPPORT DE CARTER DESTINE A UN APPAREIL PORTATIF ET METHODE**
[72] GLUCK, ROBERT, US
[71] ROBERT GORDON INDUSTRIES, LTD., US
[22] 2017-01-25
[41] 2018-01-21
[30] US (15/216,293) 2016-07-21

---

[21] **2,956,159**
[13] A1
[51] **Int.Cl. F22B 37/48 (2006.01) C02F 1/00 (2006.01) C02F 1/02 (2006.01) C02F 1/24 (2006.01) C02F 9/10 (2006.01) E21B 43/24 (2006.01) E21B 43/40 (2006.01) F22B 37/54 (2006.01)**
[25] EN
[54] **A WATER TREATMENT AND STEAM GENERATION SYSTEM FOR ENHANCED OIL RECOVERY AND A METHOD USING SAME**
[54] **UN SYSTEME DE TRAITEMENT DE L'EAU ET DE GENERATION DE VAPEUR DESTINE A LA RECUPERATION AMELIOREE D'HUILE**
[72] QIN, HENRY Z., CA
[72] ZHANG, WEN LI, CA
[71] GREAT OCEAN LTD., CA
[22] 2017-01-25
[41] 2018-01-21
[30] US (15/215,714) 2016-07-21

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[21] **2,957,924**
[13] A1
[51] **Int.Cl. A43B 23/02 (2006.01) A43B 1/00 (2006.01) A43B 1/10 (2006.01)**
[25] EN
[54] **SHOE WITH FLEXIBLE UPPER**
[54] **CHAUSSURE A TIGE SOUPLE**
[72] CHANG, GARY DAVID, CA
[71] CHANG, GARY DAVID, CA
[22] 2017-02-14
[41] 2018-01-21
[30] TW (105122979) 2016-07-21

---

[21] **2,963,888**
[13] A1
[51] **Int.Cl. A62C 35/68 (2006.01) A62C 37/00 (2006.01) F16K 1/30 (2006.01) F16K 17/38 (2006.01) F16K 31/06 (2006.01)**
[25] EN
[54] **ACTUATORS FOR HAZARD DETECTION AND SUPPRESSION SYSTEMS**
[54] **ACTIONNEURS DESTINES A DES SYSTEMES DE DETECTION ET D'ELIMINATION DE DANGER**
[72] BAXENDELL, DOUG JOHN, US
[71] KIDDE TECHNOLOGIES, INC., US
[22] 2017-04-07
[41] 2018-01-21
[30] US (15/216,645) 2016-07-21

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[21] **2,965,762**
[13] A1
[51] **Int.Cl. B42D 15/02 (2006.01) A63H 33/00 (2006.01) B42D 15/04 (2006.01)**
[25] EN
[54] **INTERACTIVE GREETING CARD WITH INFRARED SENSOR**
[54] **CARTE DE SOUHAITS INTERACTIVE RENFERMANT UN CAPTEUR INFRAROUGE**
[72] MAYER, DAVID, US
[71] AMERICAN GREETINGS CORPORATION, US
[22] 2017-05-01
[41] 2018-01-25
[30] US (15/219,169) 2016-07-25

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[21] **2,966,486**
[13] A1
[51] **Int.Cl. E01D 15/12 (2006.01)**
[25] EN
[54] **COMPOSITE RIG MAT COMPRISING PULTRUDED COMPOSITE MEMBERS**
[54] **PLATEFORME DE BOIS MODULAIRE COMPOSITE RENFERMANT DES ELEMENTS COMPOSITES PULTRUDES**
[72] DAGESSE, PAUL, CA
[71] DAGESSE, PAUL, CA
[22] 2017-05-10
[41] 2018-01-27
[30] US (62367332) 2016-07-27

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[21] **2,966,741**
[13] A1
[51] **Int.Cl. G01S 17/95 (2006.01)**
[25] EN
[54] **METHOD OF ESTIMATING CLOUD PARTICLE SIZES USING LIDAR RATIO**
[54] **METHODE D'ESTIMATION DE TAILLES DE PARTICULES DE NUAGE AU MOYEN D'UN RAPPORT LIDAR**
[72] RAY, MARK, US
[72] ANDERSON, KAARE JOSEF, US
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2017-05-10
[41] 2018-01-21
[30] US (15/216,340) 2016-07-21

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[21] **2,967,151**
[13] A1
[51] **Int.Cl. C22C 14/00 (2006.01) B22F 1/00 (2006.01) B22F 9/08 (2006.01)**
[25] EN
[54] **POWDERED TITANIUM ALLOY COMPOSITION AND ARTICLE FORMED THEREFROM**
[54] **COMPOSITION D'ALLIAGE DE TITANE EN POUDRE ET ARTICLE FORME DE LADITE COMPOSITION**
[72] PECINA, JOSEPH, US
[72] BURKETT, ROBERT, US
[72] BACKHAUS, GARY M., US
[72] CARR, MICHAEL S., US
[72] GLAMM, RYAN J., US
[71] THE BOEING COMPANY, US
[22] 2017-05-11
[41] 2018-01-26
[30] US (15/219,812) 2016-07-26
[30] US (15/458,231) 2017-03-14

[21] **2,968,575**
[13] A1
[51] **Int.Cl. G01S 17/95 (2006.01)**
[25] EN
[54] **MULTI-FIBER OPTICAL SENSOR FOR ICING**
[54] **DETECTEUR OPTIQUE MULTIFIBRE DE GIVRE**
[72] RAY, MARK, US
[72] ANDERSON, KAARE JOSEF, US
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2017-05-25
[41] 2018-01-21
[30] US (15/216,398) 2016-07-21

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[21] **2,969,507**
[13] A1
[51] **Int.Cl. F16J 15/3252 (2016.01) E21B 33/10 (2006.01)**
[25] EN
[54] **BONDED SEAL WITH INTEGRAL BACKUP RING**
[54] **JOINT LIE DOTE D'UNE BAGUE D'APPUI INTEGRALE**
[72] WALLACE, BRIAN A., US
[71] FREUDENBERG OIL & GAS, LLC, US
[22] 2017-06-02
[41] 2018-01-26
[30] US (15/220,268) 2016-07-26

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[21] **2,969,837**
[13] A1
[51] **Int.Cl. H02M 1/00 (2007.10) H02M 7/44 (2006.01) H02P 23/02 (2006.01)**
[25] EN
[54] **BALANCING CURRENT WITHIN A PARALLEL MODULAR CONVERTER SYSTEM**
[54] **EQUILIBRAGE DU COURANT A L'INTERIEUR D'UN DISPOSITIF CONVERTISSEUR MODULAIRE PARALLELE**
[72] PASCHEDAG, DARREN LEE, US
[72] GAO, LIJUN, US
[72] LIU, SHENGYI, US
[71] THE BOEING COMPANY, US
[22] 2017-06-06
[41] 2018-01-25
[30] US (15/219028) 2016-07-25

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[21] **2,969,946**
[13] A1
[51] **Int.Cl. B32B 15/08 (2006.01) B32B 7/02 (2006.01) B32B 15/14 (2006.01) B32B 27/02 (2006.01) B32B 27/04 (2006.01) B32B 27/16 (2006.01) B32B 37/02 (2006.01) B32B 38/08 (2006.01) C08J 7/04 (2006.01) C08J 7/12 (2006.01) C23C 16/02 (2006.01)**
[25] EN
[54] **METAL-MODIFIED, PLASMA-TREATED THERMOPLASTICS FOR IMPROVED ELECTRICAL PERFORMANCE**
[54] **THERMOPLASTIQUES MODIFIES PAR UN METAL, TRAITES AU PLASMA EN VUE D'UN RENDEMENT ELECTRIQUE AMELIORE**
[72] TSOTSIS, THOMAS K., US
[72] BELCHER, MARCUS A., US
[71] THE BOEING COMPANY, US
[22] 2017-06-06
[41] 2018-01-26
[30] US (15/219963) 2016-07-26

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[21] **2,970,001**
[13] A1
[51] **Int.Cl. A47B 88/90 (2017.01) A47B 88/40 (2017.01) A47B 88/427 (2017.01)**
[25] EN
[54] **FRAME FOR A MOVABLE FURNITURE PART**
[54] **CADRE DE PIECE DE MOBILIER DEPLACABLE**
[72] MASON, DALE WILLIAM, US
[72] BOWMAN, CHRISTOPHER BLANE, US
[72] PEER, MANFRED, US
[72] WHYATT, JUDD, US
[71] GRASS AMERICA, INC., US
[22] 2017-06-08
[41] 2018-01-21
[30] US (15/215920) 2016-07-21

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[21] **2,970,107**
[13] A1
[51] **Int.Cl. F16L 51/04 (2006.01) F16L 3/01 (2006.01) F16L 27/107 (2006.01) F16L 51/03 (2006.01)**
[25] EN
[54] **FLEXIBLE PIPE LOOP**
[54] **BOUCLE DE TUYAU SOUPLE**
[72] ASGERSINGER, PHILIP B., US
[71] FLEX-HOSE CO., INC., US
[22] 2017-06-08
[41] 2018-01-22
[30] US (15/217,229) 2016-07-22

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[21] **2,970,377**
[13] A1
[51] **Int.Cl. A01K 1/035 (2006.01)**
[25] EN
[54] **PORTABLE BED FOR OUTDOOR USE BY A PET THAT IS MOVEMENT-RESISTANT IN A TRUCK BED**
[54] **LIT PORTATIF DESTINE A UN USAGE A L'EXTERIEUR PAR UN ANIMAL DE COMPAGNIE QUI RESISTE AU MOUVEMENT DANS UN PLATEAU DE CAMION**
[72] AUCLAIR, BUDDY J., CA
[71] AUCLAIR, BUDDY J., CA
[22] 2017-06-13
[41] 2018-01-25
[30] US (62366298) 2016-07-25

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[21] **2,970,446**
[13] A1
[51] **Int.Cl. G06Q 40/00 (2012.01) G07G 5/00 (2006.01)**
[25] EN
[54] **AUTOMATED IDENTIFICATION OF AMOUNTS IN TRANSACTIONS FOR TRANSACTION RECORDS**
[54] **IDENTIFICATION AUTOMATISEE DE MONTANTS DANS LES TRANSACTIONS EN VUE DE L'ENREGISTREMENT DE TRANSACTIONS**
[72] ROBERTS, JARROD, AU
[72] SCURRAH, MICHELLE, AU
[72] LAMANTIA, MARCO, AU
[72] JONES, ANTHONY ROBERT, AU
[71] VISA INTERNATIONAL SERVICE ASSOCIATION, US
[22] 2017-06-12
[41] 2018-01-21
[30] AU (2016206344) 2016-07-21

[21] **2,970,865**
[13] A1
[51] **Int.Cl. H01M 8/0273 (2016.01) H01M 8/1004 (2016.01) H01M 8/242 (2016.01) H01M 8/2483 (2016.01)**
[25] EN
[54] **FUEL-CELL UNIT CELL AND MANUFACTURING METHOD THEREFOR**
[54] **PILE UNITAIRE DE PILE A COMBUSTIBLE ET METHODE DE FABRICATION ASSOCIEE**
[72] OKADA, SACHIO, JP
[72] KURIHARA, TAKUYA, JP
[72] SHIZUKU, FUMISHIGE, JP
[72] MURAYAMA, RYOGO, JP
[72] KAMIYA, MAKOTO, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2017-06-15
[41] 2018-01-25
[30] JP (2016-145133) 2016-07-25

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[21] **2,970,881**
[13] A1
[51] **Int.Cl. B65D 33/25 (2006.01) B31B 70/60 (2017.01) B31B 70/81 (2017.01)**
[25] EN
[54] **RECLOSABLE BAG AND METHOD TO MAKE SAME**
[54] **SAC REFERMABLE ET METHODE DE FABRICATION ASSOCIEE**
[72] COBLER, BRAD A., US
[71] POLY-AMERICA, L.P., US
[22] 2017-06-15
[41] 2018-01-27
[30] US (15/220,842) 2016-07-27

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[21] **2,971,260**
[13] A1
[51] **Int.Cl. B23K 20/10 (2006.01) B29C 65/08 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ULTRASONIC WELDING**
[54] **METHODE ET APPAREIL DE SOUDAGE ULTRASONIQUE**
[72] BALLOUGH, MATTHEW E., US
[72] MARTIN, THOMAS J., US
[71] T.A. SYSTEMS, INC., US
[22] 2017-06-19
[41] 2018-01-26
[30] US (62/367,089) 2016-07-26
[30] US (15/612,434) 2017-06-02

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[21] **2,971,652**
[13] A1
[51] **Int.Cl. C09J 7/40 (2018.01)**
[25] EN
[54] **RELEASE LINER WITH DIFFERENT SURFACE COATING**
[54] **DOUBLURE DETACHABLE DOTEE DE DIFFERENTS REVETEMENTS DE SURFACE**
[72] KLINGEBERG, KERSTIN, DE
[72] NEUBERT, INGO, DE
[71] TESA SE, DE
[22] 2017-06-22
[41] 2018-01-26
[30] DE (10 2016 213 661.5) 2016-07-26

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[21] **2,971,934**
[13] A1
[51] **Int.Cl. F16B 5/02 (2006.01) B64C 1/12 (2006.01) B64C 3/26 (2006.01) F16B 5/04 (2006.01)**
[25] EN
[54] **SLIDING JOINT KITS, SYSTEMS CONTAINING THE SAME, AND RELATED METHODS**
[54] **TROUSSES DE JOINTS COULISSANTS, SYSTEME EN COMPORTANT, ET METHODES ASSOCIEES**
[72] CONNELLY, THOMAS JOSEPH, US
[72] LI, LINDA M., US
[72] CROMER, WILLIAM CLIFTON, US
[71] THE BOEING COMPANY, US
[22] 2017-06-27
[41] 2018-01-27
[30] US (15/220820) 2016-07-27

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[21] **2,971,974**
[13] A1
[51] **Int.Cl. G01M 13/00 (2006.01) E21B 33/06 (2006.01)**
[25] EN
[54] **BOP TEST APPARATUS**
[54] **APPAREIL DE TEST BOP**
[72] PEYREGNE, JOEY, US
[71] NABORS DRILLING TECHNOLOGIES USA, INC., US
[22] 2017-06-22
[41] 2018-01-26
[30] US (62/366,762) 2016-07-26
[30] US (15/495,528) 2017-04-24

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[21] **2,972,215**
[13] A1
[51] **Int.Cl. B64C 1/00 (2006.01) B64C 1/06 (2006.01) B64C 27/00 (2006.01)**
[25] EN
[54] **AN AIRCRAFT WITH A FUSELAGE AND A COMPOSITE TAIL BOOM**
[54] **UN AERONEF DOTE D'UN FUSELAGE ET D'UNE POUTRE DE QUEUE EN COMPOSITE**
[72] FINK, AXEL, DE
[71] AIRBUS HELICOPTERS DEUTSCHLAND GMBH, DE
[22] 2017-06-27
[41] 2018-01-21
[30] EP (16400029.1) 2016-07-21

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[21] **2,972,447**
[13] A1
[51] **Int.Cl. F21K 9/65 (2016.01) F21V 15/04 (2006.01)**
[25] EN
[54] **AUTO ALIGNING MODULE FOR LIGHTING APPLICATION**
[54] **MODULE D'ALIGNEMENT AUTOMATIQUE DESTINE A UNE APPLICATION D'ECLAIRAGE**
[72] D'AMICO, BRUNO, CA
[72] PETRESCU, ALIN, CA
[71] GE LIGHTING SOLUTIONS, LLC, US
[22] 2017-07-06
[41] 2018-01-21
[30] US (15/215,629) 2016-07-21

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[21] **2,972,484**
[13] A1
[51] **Int.Cl. A61F 2/46 (2006.01) A61B 17/88 (2006.01) A61B 17/70 (2006.01)**
[25] EN
[54] **BONE CEMENT APPLICATOR WITH THREE-WAY VALVE FOR PRESSURE RELIEF**
[54] **APPLICATEUR DE CIMENT ORTHOPEDIQUE A VANNE A TROIS VOIES SERVANT A LIBERER LA PRESSION**
[72] KLUGE, THOMAS, DE
[72] VOGT, SEBASTIAN, DE
[71] HERAEUS MEDICAL GMBH, DE
[22] 2017-07-04
[41] 2018-01-21
[30] DE (10 2016 113 467.8) 2016-07-21

[21] **2,972,486**
[13] A1
[51] **Int.Cl. A61F 2/46 (2006.01) A61B 17/56 (2006.01) A61F 2/44 (2006.01) A61L 24/06 (2006.01)**
[25] EN
[54] **BONE CEMENT APPLICATOR WITH THREE-WAY VALVE FOR PRESSURE RELIEF**
[54] **APPLICATEUR DE CIMENT ORTHOPEDIQUE A VANNE A TROIS VOIES SERVANT A LIBERER LA PRESSION**
[72] VOGT, SEBASTIAN, DE
[72] KLUGE, THOMAS, DE
[71] HERAEUS MEDICAL GMBH, DE
[22] 2017-07-04
[41] 2018-01-21
[30] DE (10 2016 113 468.6) 2016-07-21

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[21] **2,972,517**
[13] A1
[51] **Int.Cl. G06T 7/20 (2017.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING MOTION BASED ON A VIDEO PATTERN**
[54] **SYSTEMES ET METHODE DE DETECTION DU MOUVEMENT S'APPUYANT SUR UN MODELE VIDEO**
[72] XIA, XIAOMIN, US
[72] WU, DI, US
[72] LIU, CHAO, US
[72] ZHAO, TIANFENG, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2017-07-05
[41] 2018-01-27
[30] US (15/220,996) 2016-07-27

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[21] **2,972,518**
[13] A1
[51] **Int.Cl. H04W 24/00 (2009.01) H04W 4/021 (2018.01) G05B 19/042 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING A HOME AUTOMATION SYSTEM BASED ON IDENTIFYING A USER LOCATION VIA A WI-FI FINGERPRINT**
[54] **SYSTEMES ET METHODES DE CONTROLE DES SYSTEMES DE DOMOTIQUES FONDES SUR L'IDENTIFICATION D'UN EMPLACEMENT UTILISATEUR PAR EMPREINTE OBTENUE SANS FIL**
[72] BALRAJ, KAMALAKANNAN, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2017-07-05
[41] 2018-01-27
[30] US (15/220,763) 2016-07-27

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[21] **2,972,520**
[13] A1
[51] **Int.Cl. H04N 21/2662 (2011.01) H04N 21/234 (2011.01) H04N 7/18 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ADJUSTING THE FRAME RATE OF TRANSMITTED VIDEO BASED ON THE LEVEL OF MOTION IN THE VIDEO**
[54] **SYSTEMES ET METHODES D'AJUSTEMENT DE LA FREQUENCE D'IMAGES DE VIDEO TRANSMISES S'APPUYANT SUR LE NIVEAU DE MOUVEMENT DANS LA VIDEO**
[72] JAIN, ABHISHEK, US
[72] GREWAL, AMIT, US
[72] MOHANTY, KAMINI KANTA, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2017-07-05
[41] 2018-01-25
[30] US (15/218,285) 2016-07-25

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[21] **2,972,540**
[13] A1
[51] **Int.Cl. G06F 17/50 (2006.01)**
[25] EN
[54] **PLANT BUILDER SYSTEM WITH INTEGRATED SIMULATION AND CONTROL SYSTEM CONFIGURATION**
[54] **SYSTEME DE CONSTRUCTION D'USINE COMPRENANT LA SIMULATION INTEGREE ET LA CONFIGURATION DE SYSTEME DE CONTROLE**
[72] SNYDER, JEFFREY THOMAS, US
[71] EMERSON PROCESS MANAGEMENT POWER & WATER SOLUTIONS, INC., US
[22] 2017-07-05
[41] 2018-01-27
[30] US (15/221,096) 2016-07-27

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[21] **2,972,669**
[13] A1
[51] **Int.Cl. A47J 27/04 (2006.01) A47J 27/082 (2006.01) A47J 36/20 (2006.01)**
[25] FR
[54] **STEAM BASKET AND ELECTRIC COOKER**
[54] **PANIER A VAPEUR ET CUISEUR ELECTRIQUE**
[72] MA, CHAO, CN
[72] LV, HUA, CN
[71] SEB S.A., FR
[22] 2017-07-06
[41] 2018-01-22
[30] FR (1657069) 2016-07-22

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[21] **2,972,675**
[13] A1
[51] **Int.Cl. A47J 27/04 (2006.01) A47J 27/082 (2006.01) A47J 36/00 (2006.01) A47J 36/20 (2006.01)**
[25] FR
[54] **CONTROL METHOD FOR ELECTRIC COOKER**
[54] **METHODE DE CONTROLE DE CUISEUR ELECTRIQUE**
[72] LV, HUA, CN
[72] MA, CHAO, CN
[72] GOYON, ANNABELLE, FR
[71] SEB S.A., FR
[22] 2017-07-06
[41] 2018-01-22
[30] FR (1657065) 2016-07-22

[21] **2,972,872**
[13] A1
[51] **Int.Cl. B65B 35/50 (2006.01) B65G 57/16 (2006.01)**
[25] EN
[54] **STACKING AND STRAPPING SYSTEM FOR MATERIAL PACKAGES**
[54] **SYSTEME D'EMPILEMENT ET DE CERCLAGE DESTINE A DES EMBALLAGES DE MATERIAUX**
[72] HOGUE, GARY WAYNE, US
[72] HOGUE, BRIAN CORNELIUS, US
[71] HOGUE INDUSTRIES, LLC, US
[22] 2017-07-07
[41] 2018-01-25
[30] US (62/493,989) 2016-07-25

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[21] **2,972,880**
[13] A1
[51] **Int.Cl. B29C 65/18 (2006.01) B29C 65/14 (2006.01)**
[25] EN
[54] **LIMITING DISPERSION OF IR RADIATION FROM A HEATER ELEMENT DURING PLASTIC WELDING**
[54] **LIMITATION DE LA DISPERSION DE RAYONNEMENT IR D'UN ELEMENT CHAUFFANT PENDANT LE SOUDAGE DE PLASTIQUE**
[72] PUPOVAC, RADE, CA
[72] TOUESNARD, ZACHARY, CA
[72] HOLTKAMP, CHRISTIAN PETER, CA
[72] NOVAKOVIC, BORIS, CA
[71] SPM AUTOMATION (CANADA) INC., CA
[22] 2017-07-11
[41] 2018-01-25
[30] US (62/366,178) 2016-07-25
[30] US (15/639,818) 2017-06-30

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[21] **2,973,150**
[13] A1
[51] **Int.Cl. E04G 5/04 (2006.01) E04G 3/28 (2006.01)**
[25] EN
[54] **ANCHORING SYSTEM FOR ANCHORING A CLIMBING HEAD OF A CLIMBING SCAFFOLD TO A CONCRETE SLAB AND ADJUSTMENT METHOD FOR ADJUSTING THE POSITIONING OF THE ANCHORING SYSTEM FOR ANCHORING A CLIMBING HEAD OF A CLIMBING SCAFFOLD TO A CONCRETE SLAB**
[54] **SYSTEME D'ANCRAGE SERVANT A ANCRER UNE TETE DE MONTEE D'UN ECHAFAUDAGE DE MONTEE A UNE DALLE DE BETON ET METHODE D'AJUSTEMENT SERVANT A AJUSTER LE POSITIONNEMENT DU SYSTEME D'ANCRAGE EN VUE D'ANCRER UNE TETE DE MONTEE D'UN ECHAFAUDAGE DE MONTEE A UNE DALLE DE BETON**
[72] ARANBURU ETXEZARRETA, ANGEL MARIA, ES
[72] ZULOAGA AGIRREBALZATEGI, ARITZ, ES
[72] EGANA URRUTIA, ANDER, ES
[71] ULMA C Y E, S. COOP., ES
[22] 2017-07-12
[41] 2018-01-21
[30] EP (16382354.5) 2016-07-21

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[21] **2,973,230**
[13] A1
[51] **Int.Cl. G06F 21/56 (2013.01) H02J 13/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEM FOR DETECTING FALSE DATA INJECTION ATTACKS**
[54] **METHODES ET SYSTEME DE DETECTION D'ATTAQUES D'INJECTION DE FAUSSES DONNEES**
[72] PREMERLANI, WILLIAM JAMES, US
[72] BAONE, CHAITANYA ASHOK, US
[72] PAN, YAN, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2017-07-13
[41] 2018-01-25
[30] US (15/218,822) 2016-07-25

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[21] **2,973,445**
[13] A1
[51] **Int.Cl. B60P 7/135 (2006.01) B60P 7/15 (2006.01)**
[25] EN
[54] **LOGISTICS BRACKET FOR USE IN SECURING AND DECKING FREIGHT**
[54] **SUPPORT LOGISTIQUE DESTINE A SECURISER ET EMPILER DES MARCHANDISES**
[72] MEYERS, RICHARD, CA
[71] MEYERS, RICHARD, CA
[22] 2017-07-14
[41] 2018-01-21
[30] US (62/365,061) 2016-07-21

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[21] **2,973,452**
[13] A1
[51] **Int.Cl. H04W 40/02 (2009.01) H04W 40/20 (2009.01) H04W 84/00 (2009.01) H04W 4/42 (2018.01)**
[25] EN
[54] **WIRELESS COMMUNICATION SYSTEM FOR VEHICLES USING BOTH TRACKSIDE WLAN AND CELLULAR NETWORK COMMUNICATION**
[54] **SYSTEME DE COMMUNICATION SANS FIL DESTINE A DES VEHICULES EMPLOYANT LA COMMUNICATION DE RESEAU ETENDU COTE RAIL ET DE RESEAU CELLULAIRE**
[72] KARLSSON, MATS, SE
[71] ICOMERA AB, SE
[22] 2017-07-14
[41] 2018-01-22
[30] SE (1651081-0) 2016-07-22

[21] **2,973,453**
[13] A1
[51] **Int.Cl. F16H 61/68 (2006.01) B60K 23/02 (2006.01) F16H 61/04 (2006.01)**
[25] EN
[54] **CONTROL DEVICE FOR VEHICLE AND CONTROL METHOD FOR VEHICLE**
[54] **DISPOSITIF DE CONTROLE DE VEHICULE ET METHODE DE CONTROLE DE VEHICULE**
[72] CHIMBE, TOMOHIRO, JP
[72] TSUKAMOTO, NORIHIRO, JP
[72] OTA, KEISUKE, JP
[72] ASAMI, TOMOHIRO, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2017-07-14
[41] 2018-01-25
[30] JP (2016-145573) 2016-07-25

[21] **2,973,627**
[13] A1
[51] **Int.Cl. D06M 10/06 (2006.01) A61L 9/015 (2006.01)**
[25] EN
[54] **ODOR REMOVAL ASSEMBLY**
[54] **DISPOSITIF D'ELIMINATION DES ODEURS**
[72] DRAKE, DANIEL V., US
[71] MOJACK DISTRIBUTORS, LLC, US
[22] 2017-07-17
[41] 2018-01-25
[30] US (15/219,072) 2016-07-25
[30] US (15/288,778) 2016-10-07

[21] **2,973,811**
[13] A1
[51] **Int.Cl. G06F 19/00 (2018.01) G06F 17/30 (2006.01)**
[25] EN
[54] **CONTAINMENT OF DATA STRUCTURES WITH DATA OBJECTS IN DATA MODELING TOOLS**
[54] **CONFINEMENT DE STRUCTURES DE DONNEES AVEC DES OBJETS DE DONNEES DANS LES OUTILS DE MODELISATION DE DONNEES**
[72] HUIZENGA, RON, US
[71] IDERA, INC., US
[22] 2017-07-18
[41] 2018-01-27
[30] US (62/367,165) 2016-07-27

[21] **2,973,842**
[13] A1
[51] **Int.Cl. F25J 1/02 (2006.01) F25J 3/08 (2006.01) F25J 5/00 (2006.01)**
[25] EN
[54] **HEAVY HYDROCARBON REMOVAL SYSTEM FOR LEAN NATURAL GAS LIQUEFACTION**
[54] **SYSTEME D'ELIMINATION DES HYDROCARBURES LOURDS EN VUE DE LA LIQUEFACTION DE GAZ NATUREL APPAUVRI**
[72] CHEN, FEI, US
[72] ROBERTS, MARK JULIAN, US
[72] OTT, CHRISTOPHER MICHAEL, US
[72] WEIST, ANNEMARIE OTT, US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2017-07-18
[41] 2018-01-21
[30] US (15/216318) 2016-07-21

[21] **2,973,885**
[13] A1
[51] **Int.Cl. A61K 31/662 (2006.01) A61P 3/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC COMPOSITIONS INCLUDING MITOCHONDRIAL-TARGETED CREATINE COMPOUNDS AND USES THEREOF TO TREAT AND PREVENT MITOCHONDRIAL DISEASES AND CONDITIONS**
[54] **COMPOSITIONS THERAPEUTIQUES RENFERMANT DES COMPOSES DE CREATINE CIBLANT LES MITOCHONDRIES ET LEURS UTILISATIONS EN VUE DE TRAITER ET PREVENIR LES MALADIES ET TROUBLES MITOCHONDRIAUX**
[72] WILSON, D. TRAVIS, US
[71] STEALTH BIOTHERAPEUTICS CORP, KY
[22] 2017-07-18
[41] 2018-01-21
[30] US (62/365,172) 2016-07-21

[21] **2,973,891**
[13] A1
[51] **Int.Cl. A61K 31/662 (2006.01) A61K 31/155 (2006.01) A61K 31/395 (2006.01) A61K 31/661 (2006.01) A61K 31/665 (2006.01) A61K 31/675 (2006.01) A61P 3/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC COMPOSITIONS INCLUDING MODIFIED CREATINE COMPOUNDS AND USES THEREOF TO TREAT AND PREVENT MITOCHONDRIAL DISEASES AND CONDITIONS**
[54] **COMPOSITIONS THERAPEUTIQUES RENFERMANT DES COMPOSES DE CREATINE MODIFIES ET LEURS UTILISATIONS EN VUE DE TRAITER ET PREVENIR LES MALADIES ET TROUBLES MITOCHONDRIAUX**
[72] WILSON, D. TRAVIS, US
[71] STEALTH BIOTHERAPEUTICS CORP, KY
[22] 2017-07-18
[41] 2018-01-21
[30] US (62/365,161) 2016-07-21

[21] **2,973,910**
[13] A1
[51] **Int.Cl. G10K 11/172 (2006.01)**
[25] EN
[54] **METHOD FOR MAKING CONTOURED ACOUSTIC STRUCTURES**
[54] **METHODE DE FABRICATION DE STRUCTURES ACOUSTIQUES PROFILEES**
[72] SELDAL, MATTHEW, US
[71] HEXCEL CORPORATION, US
[22] 2017-07-18
[41] 2018-01-26
[30] US (15/220043) 2016-07-26

[21] **2,973,917**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06F 17/30 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR ASSESSING AND MANAGING ASSET CONDITION**
[54] **METHODES ET SYSTEMES D'EVALUATION ET D'IMAGERIE D'ETAT D'ACTIF**
[72] HELSTAB, EDMOND, CA
[71] HELSTAB, EDMOND, CA
[22] 2017-07-19
[41] 2018-01-22
[30] CA (2,936,854) 2016-07-22

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[21] **2,973,921**
[13] A1
[51] **Int.Cl. H04W 24/02 (2009.01) H04W 72/04 (2009.01) H04W 88/02 (2009.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DYNAMIC TUNING**
[54] **METHODE ET APPAREIL DE SYNTONISATION DYNAMIQUE**
[72] GREENE, MATTHEW RUSSELL, US
[72] SCHLUETER, DAVID MICHAEL, US
[71] BLACKBERRY LIMITED, CA
[22] 2017-07-17
[41] 2018-01-25
[30] US (15/218752) 2016-07-25

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[21] **2,973,923**
[13] A1
[51] **Int.Cl. H04B 1/401 (2015.01) H04B 1/44 (2006.01) H04B 1/50 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DYNAMIC TUNING**
[54] **METHODE ET APPAREIL DE SYNTONISATION DYNAMIQUE**
[72] GREENE, MATTHEW RUSSELL, US
[72] SCHLUETER, DAVID MICHAEL, US
[71] BLACKBERRY LIMITED, CA
[22] 2017-07-17
[41] 2018-01-25
[30] US (15/218845) 2016-07-25

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[21] **2,973,926**
[13] A1
[51] **Int.Cl. H04B 1/50 (2006.01) H04B 1/401 (2015.01) H04B 1/44 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DYNAMIC TUNING**
[54] **METHODE ET APPAREIL DE SYNTONISATION DYNAMIQUE**
[72] GREENE, MATTHEW RUSSELL, US
[72] SCHLUETER, DAVID MICHAEL, US
[71] BLACKBERRY LIMITED, CA
[22] 2017-07-17
[41] 2018-01-25
[30] US (15/218798) 2016-07-25

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[21] **2,973,958**
[13] A1
[51] **Int.Cl. E04C 2/30 (2006.01) E04B 2/00 (2006.01) E04C 2/52 (2006.01) F25D 13/00 (2006.01) F25D 23/06 (2006.01)**
[25] EN
[54] **DUCTED PANEL ARRANGEMENT**
[54] **ARRANGEMENT DE PANNEAU A CONDUIT INTEGRE**
[72] KINSER, JAMES V., JR., US
[71] KINSER, JAMES V., JR., US
[22] 2017-07-19
[41] 2018-01-21
[30] US (62/364,882) 2016-07-21
[30] US (15/652,270) 2017-07-18

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[21] **2,973,963**
[13] A1
[51] **Int.Cl. G05B 19/045 (2006.01) G05B 15/02 (2006.01)**
[25] EN
[54] **COMPUTERISED SYSTEM**
[54] **SYSTEME INFORMATISE**
[72] GUNZINGER, ANTON, CH
[72] DORIGATTI, MARTIN, CH
[72] BEYELER, DAVID, CH
[72] STADELMANN, PHILIPP, CH
[72] HUBER, RICHARD, CH
[71] SUPERCOMPUTING SYSTEMS AG, CH
[22] 2017-07-18
[41] 2018-01-21
[30] CH (00946/16) 2016-07-21

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[21] **2,973,966**
[13] A1
[51] **Int.Cl. H05B 37/02 (2006.01)**
[25] EN
[54] **OUT OF BAND DIAGNOSTICS AND MAINTENANCE**
[54] **DIAGNOSTIC HORS BANDE ET MAINTENANCE**
[72] ROQUEMORE, JOHN PETER, III, US
[72] FULTZ, TYLER B., US
[71] ABL IP HOLDING LLC, US
[22] 2017-07-20
[41] 2018-01-21
[30] US (15/215,846) 2016-07-21

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[21] **2,973,970**
[13] A1
[51] **Int.Cl. H05B 37/02 (2006.01)**
[25] EN
[54] **USE OF POSITION DATA TO DETERMINE A GROUP MONITOR**
[54] **UTILISATION DES DONNEES DE POSITION POUR DETERMINER UN MONITEUR DE GROUPE**
[72] ROQUEMORE, JOHN PETER, III, US
[72] SCRIMGEOUR, JOHN W., US
[71] ABL IP HOLDING LLC, US
[22] 2017-07-20
[41] 2018-01-21
[30] US (15/215,831) 2016-07-21

---

[21] **2,973,988**
[13] A1
[51] **Int.Cl. E03F 9/00 (2006.01)**
[25] EN
[54] **PIT ASSEMBLY WITH REMOVABLE CARTRIDGE**
[54] **ASSEMBLAGE DE TREMIE A CARTOUCHE AMOVIBLE**
[72] MOSLEY, HAROLD T., US
[72] MITCHELL, TIMOTHY J., US
[71] MUELLER INTERNATIONAL, LLC, US
[22] 2017-07-20
[41] 2018-01-25
[30] US (15/218,767) 2016-07-25

[21] **2,973,992**
[13] A1
[51] **Int.Cl. H02G 15/04 (2006.01) H05B 3/56 (2006.01)**
[25] EN
[54] **END SEAL FOR HEATING CABLE**
[54] **JOINT D'EXTREMITE SERVANT A CHAUFFER UN CABLE**
[72] HEISE, LORNE R., CA
[71] HEAT-LINE CORPORATION, CA
[22] 2017-07-20
[41] 2018-01-21
[30] US (62/365,012) 2016-07-21

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[21] **2,973,993**
[13] A1
[51] **Int.Cl. A47G 21/18 (2006.01)**
[25] EN
[54] **STRAW**
[54] **PAILLE**
[72] WANG, JIA-SHOU, TW
[71] WANG, JIA-SHOU, TW
[22] 2017-07-19
[41] 2018-01-21
[30] TW (105210970) 2016-07-21

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[21] **2,973,996**
[13] A1
[51] **Int.Cl. E21B 33/03 (2006.01) E21B 34/02 (2006.01)**
[25] EN
[54] **WELLHEAD ASSEMBLY HAVING INTEGRATED LOCKING RING**
[54] **ASSEMBLAGE DE TETE DE PUITS COMPORTANT UNE BAGUE DE VERROUILLAGE**
[72] NIEHAUS, K. LYNN, US
[71] Q.E.D. ENVIRONMENTAL SYSTEMS, INC., US
[22] 2017-07-19
[41] 2018-01-26
[30] US (15/219,849) 2016-07-26

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[21] **2,974,031**
[13] A1
[51] **Int.Cl. G01S 5/14 (2006.01) H04W 4/029 (2018.01) G01B 11/00 (2006.01)**
[25] EN
[54] **METHOD OF TRACKING ONE OR MORE MOBILE OBJECTS IN A SITE AND A SYSTEM EMPLOYING SAME**
[54] **METHODE DE SUIVI D'UN OU DE PLUSIEURS OBJETS MOBILES *SUR UN SITE ET UN SYSTEME* EMPLOYANT LADITE METHODE**
[72] NIELSEN, JORGEN S., CA
[72] NIELSEN, CHRISTOPHER S., CA
[72] HE, ZHE, CA
[71] APPROPOLIS INC., CA
[22] 2017-07-21
[41] 2018-01-22
[30] US (15/656,428) 2017-07-21
[30] US (62/365,825) 2016-07-22

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[21] **2,974,046**
[13] A1
[51] **Int.Cl. G03G 15/14 (2006.01) C08J 3/24 (2006.01) C08K 3/04 (2006.01) C08L 61/28 (2006.01) C08L 71/02 (2006.01)**
[25] EN
[54] **INTERMEDIATE TRANSFER MEMBERS**
[54] **ELEMENTS DE TRANSFERT INTERMEDIAIRES**
[72] WU, JIN, US
[72] MA, LIN, US
[71] XEROX CORPORATION, US
[22] 2017-07-19
[41] 2018-01-26
[30] US (15/219799) 2016-07-26

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[21] **2,974,057**
[13] A1
[51] **Int.Cl. B65D 59/06 (2006.01) E21B 17/10 (2006.01) F16L 35/00 (2006.01) F16L 55/115 (2006.01)**
[25] EN
[54] **THREAD PROCTECTOR**
[54] **PROTECTEUR DE FILET**
[72] LUDWIG, DARCY, CA
[71] LUDWIG, DARCY, CA
[22] 2017-07-21
[41] 2018-01-22
[30] US (62365876) 2016-07-22

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[21] **2,974,084**
[13] A1
[51] **Int.Cl. C08F 2/22 (2006.01) C08F 220/12 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING LATEX FUNCTIONALIZED WITH PHOSPHORUS ACID AND PHOTOINITIATOR GROUPS**
[54] **PROCEDE DE PREPARATION DE LATEX FONCTIONNALISE AVEC DE L'ACIDE PHOSPHORIQUE ET DES GROUPES PHOTOINITIATEURS**
[72] BELOWICH, MATTHEW, US
[72] KOBACK, MEGHAN, US
[72] STRACKE, JORDAN, US
[72] TANZER, JOSEPH, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[22] 2017-07-19
[41] 2018-01-22
[30] US (62/365,516) 2016-07-22

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[21] **2,974,129**
[13] A1
[51] **Int.Cl. F01D 1/34 (2006.01) F02C 3/14 (2006.01) F02C 3/32 (2006.01) F02C 7/22 (2006.01)**
[25] EN
[54] **ENGINE, ROTARY DEVICE, POWER GENERATOR, POWER GENERATION SYSTEM, AND METHODS OF MAKING AND USING THE SAME**
[54] **MOTEUR, DISPOSITIF ROTATIF, GENERATEUR DE PUISSANCE, SYSTEME DE GENERATION DE PUISSANCE ET METHODES DE FABRICATION ASSOCIEES**
[72] LEE, BRENT WEI-TEH, US
[71] LEE, BRENT WEI-TEH, US
[22] 2017-07-21
[41] 2018-01-22
[30] US (62/494,045) 2016-07-22
[30] US (62/493,958) 2016-07-22
[30] US (62/496,497) 2016-10-18
[30] US (62/498,156) 2016-12-16
[30] US (62/499,503) 2017-01-25
[30] US (62/600,591) 2017-02-23
[30] US (15/641,760) 2017-07-05
[30] US (15/641,974) 2017-07-05

[21] 2,974,141
[13] A1
[51] **Int.Cl. D03C 3/00 (2006.01)**
[25] FR
[54] **BOTTOM PLATE FOR A JACQUARD LOOM, ITS FABRICATION PROCESS, AND WEAVING LOOM INCLUDING SUCH A PLATE**
[54] **LISSE POUR METIER JACQUARD, SON PROCEDE DE FABRICATION, ET METIER A TISSER COMPRENANT UNE TELLE LISSE**
[72] HIMMELSTOSS, MICHAEL, FR
[72] HERRMANN, MICHEL, FR
[71] STAUBLI LYON, FR
[22] 2017-07-19
[41] 2018-01-25
[30] FR (1657121) 2016-07-25

[21] 2,974,145
[13] A1
[51] **Int.Cl. A47B 21/00 (2006.01) A47B 21/06 (2006.01)**
[25] EN
[54] **WORKSTATION WITH CABLE CONTAINMENT**
[54] **POSTE DE TRAVAIL COMPORTANT UN DISPOSITIF DE CONFINEMENT DE CABLE**
[72] NOURSE, BRIAN CHARLES, US
[72] CORMIER, ROBERT RONALD, US
[71] COOPER TECHNOLOGIES COMPANY, US
[22] 2017-07-19
[41] 2018-01-22
[30] US (15/216,920) 2016-07-22

[21] 2,974,159
[13] A1
[51] **Int.Cl. B01J 23/83 (2006.01) B01J 21/10 (2006.01)**
[25] EN
[54] **A CATALYST FOR CO HYDROGENATION TO PRODUCE SYNTHESIS FUEL**
[54] **UN CATALYSEUR DE CO-HYDROGENATION SERVANT A PRODUIRE DU CARBURANT SYNTHETIQUE**
[72] DAS, SATYEN KUMAR, IN
[72] ESWAR, PRASAD DALAI, IN
[72] MOU, MANDAL MAULIK, IN
[72] THAKUR, RAM MOHAN, IN
[72] CHRISTOPHER, JAYARAJ, IN
[72] BHATTACHARYYA, DEBASIS, IN
[72] RAMAKUMAR, SANKARA SRI VENKATA, IN
[72] DIXIT, JAGDEV KUMAR, IN
[71] INDIAN OIL CORPORATION LIMITED, IN
[22] 2017-07-19
[41] 2018-01-21
[30] IN (201621025051) 2016-07-21

[21] 2,974,173
[13] A1
[51] **Int.Cl. B65F 1/14 (2006.01) B65F 1/00 (2006.01)**
[25] EN
[54] **COMMERCIAL GRADE UTILITY REFUSE RECEPTACLE AND WHEELED DOLLY**
[54] **RECEPTACLE DE DECHETS COMMERCIAUX DE QUALITE UTILITAIRE ET CHARIOT SUR ROUES**
[72] DONNELLY, BRIAN C., US
[72] VOGLER, MICHAEL R., US
[71] SUNCAST TECHNOLOGIES, LLC, US
[22] 2017-07-20
[41] 2018-01-21
[30] US (15/216,314) 2016-07-21

[21] 2,974,187
[13] A1
[51] **Int.Cl. E04B 1/78 (2006.01) E04B 1/76 (2006.01)**
[25] EN
[54] **ELEMENT FOR THERMAL INSULATION**
[54] **ELEMENT D'ISOLATION THERMIQUE**
[72] FRITSCHI, HUBERT, DE
[72] VENTER, WERNER, DE
[72] WEBER, ANDRE, DE
[71] SCHOCK BAUTEILE GMBH, DE
[22] 2017-07-21
[41] 2018-01-22
[30] DE (10 2016 113 559.3) 2016-07-22
[30] DE (102016113558.5) 2016-07-22

[21] 2,974,243
[13] A1
[51] **Int.Cl. A62D 1/00 (2006.01)**
[25] EN
[54] **STABILIZED SUSPENSION FOR PRODUCTION OF FIRE-SUPPRESSING HYDROGELS**
[54] **SUSPENSION STABILISEE DESTINEE A LA PRODUCTION D'HYDROGELS SUPPRESSEURS D'INCENDIE**
[72] MCLEAN, ROBERT W., CA
[72] RESENDES, RUI, CA
[72] WHITE, STEPHANIE R., CA
[71] FIREREIN INC., CA
[22] 2017-07-21
[41] 2018-01-22
[30] US (62/365,477) 2016-07-22

[21] 2,974,307
[13] A1
[51] **Int.Cl. B27B 13/04 (2006.01)**
[25] EN
[54] **SAWMILL WITH A ROCKING CARRIAGE**
[54] **SCIERIE EQUIPEE D'UN CHARIOT BASCULANT**
[72] BARBER, JEFF, US
[71] BARBER, JEFF, US
[22] 2017-07-21
[41] 2018-01-21
[30] US (62/375,614) 2016-08-16
[30] US (62/365,067) 2016-07-21

[21] **2,974,330**
[13] A1
[51] **Int.Cl. A44B 19/24 (2006.01) A44B 19/26 (2006.01) F16B 2/22 (2006.01)**
[25] EN
[54] **HOOK AND LOOP FASTENER**
[54] **FIXATION A CROCHET ET BOUCLE**
[72] FLEMING, JEFFERY W., CA
[71] FLEMING, JEFFERY W., CA
[22] 2017-07-24
[41] 2018-01-25
[30] US (62/366217) 2016-07-25

[21] **2,974,338**
[13] A1
[51] **Int.Cl. E04B 1/76 (2006.01)**
[25] EN
[54] **ELEMENT FOR THERMAL INSULATION**
[54] **ELEMENT D'ISOLATION THERMIQUE**
[72] FRITSCHI, HUBERT, DE
[72] VENTER, WERNER, DE
[72] WEBER, ANDRE, DE
[71] SCHOCK BAUTEILE GMBH, DE
[22] 2017-07-21
[41] 2018-01-22
[30] DE (102016113558.5) 2016-07-22

[21] **2,974,388**
[13] A1
[51] **Int.Cl. E03C 1/05 (2006.01) E03C 1/04 (2006.01) F16K 31/02 (2006.01)**
[25] EN
[54] **FAUCET**
[54] **ROBINET**
[72] ZINDLER, JOHANN, DE
[72] BECKER, BERND, DE
[72] GUNDERSEN, ERIC, US
[71] BLANCO GMBH + CO KG, DE
[22] 2017-07-24
[41] 2018-01-27
[30] DE (10 2016 113 832.0) 2016-07-27

[21] **2,974,397**
[13] A1
[51] **Int.Cl. G09B 19/00 (2006.01) H04W 4/14 (2009.01) H04M 11/04 (2006.01) H04N 7/18 (2006.01)**
[25] EN
[54] **911 TRAINING SYSTEM**
[54] **SYSTEME D'ENTRAINEMENT 911**
[72] MEOR, NATHAN, US
[71] MEOR, NATHAN, US
[22] 2017-07-24
[41] 2018-01-26
[30] US (62/367073) 2016-07-26

[21] **2,974,401**
[13] A1
[51] **Int.Cl. G06Q 50/06 (2012.01) H02J 13/00 (2006.01)**
[25] EN
[54] **A SELF-CUSTOMIZING, MULTI-TENANTED MOBILE SYSTEM AND METHOD FOR DIGITALLY GATHERING AND DISSEMINATING REAL-TIME VISUAL INTELLIGENCE ON UTILITY ASSET DAMAGE ENABLING AUTOMATED PRIORITY ANALYSIS AND ENHANCED UTILITY OUTAGE RESPONSE**
[54] **UN SYSTEME MOBILE A PLUSIEURS LOCATAIRES, AUTO-PERSONNALISABLE, ET METHODE DE COLLECTE ET DISSEMINATION NUMERIQUES DE RENSEIGNEMENTS VISUELS EN TEMPS REEL SUR LES DOMMAGES AUX ACTIFS DE SERVICES PUBLICS ACTIVANT UNE ANALYSE DE PRIORITE AUTOMATISEE ET UNE REPONSE AMELIOREE AUX PANNES DE SERVICES PUBLICS**
[72] SWAMY, DEEPAK N., US
[71] BOSSANOVA SYSTEMS, INC., US
[22] 2017-07-25
[41] 2018-01-25
[30] US (62/366,135) 2016-07-25

[21] **2,974,422**
[13] A1
[51] **Int.Cl. E04H 17/14 (2006.01) E04H 17/22 (2006.01) E04H 17/26 (2006.01)**
[25] EN
[54] **FENCING SYSTEM AND METHOD FOR ASSEMBLING A FENCE PANEL**
[54] **SYSTEME DE CLOTURE ET METHODE D'ASSEMBLAGE D'UN PANNEAU DE CLOTURE**
[72] LEONE, JOSEPH, CA
[71] LEONE, JOSEPH, CA
[22] 2017-07-25
[41] 2018-01-26
[30] US (62/455,658) 2017-02-07
[30] US (62/366,690) 2016-07-26

[21] **2,974,424**
[13] A1
[51] **Int.Cl. F23L 17/00 (2006.01) F04D 25/06 (2006.01) F04D 25/08 (2006.01) F24H 1/36 (2006.01) F24H 9/00 (2006.01)**
[25] EN
[54] **COVER ASSEMBLY, BLOWER ASSEMBLY AND ASSOCIATED METHOD**
[54] **ASSEMBLAGE DE COUVERCLE, ASSEMBLAGE DE SOUFFLANTE ET METHODE ASSOCIEE**
[72] POST, STEVEN WILFRED, US
[72] GARRETT, MICHAEL KENNETH, US
[71] REGAL BELOIT AMERICA, INC., US
[22] 2017-07-24
[41] 2018-01-27
[30] US (62/367,292) 2016-07-27

[21] 2,974,430
[13] A1
[51] **Int.Cl. C10B 53/07 (2006.01) C07C 13/21 (2006.01) C07C 45/51 (2006.01) C10G 1/10 (2006.01)**
[25] EN
[54] **DEVICE AND PROCESS FOR THE RECOVERY OF INCREASED VOLUMES OF PURE TERPENES AND TERPENOIDS FROM SCRAP POLYMERS AND ELASTOMERS**
[54] **DISPOSITIF ET PROCEDE DE RECUPERATION DE VOLUMES ACCRUS DE TERPENES PURS ET DE TERPENOIDES DE DECHETS DE POLYMERES ET D'ELASTOMERES**
[72] BEAVER, EARL R., US
[72] WISTROM, JONATHAN L., US
[71] BEAVER, EARL R., US
[71] WISTROM, JONATHAN L., US
[22] 2017-07-25
[41] 2018-01-25
[30] US (15/219,128) 2016-07-25

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[21] 2,974,542
[13] A1
[51] **Int.Cl. H04R 1/08 (2006.01)**
[25] EN
[54] **MICROPHONE COVER/REFLECTOR**
[54] **COUVRE-MICROPHONE/REFLECTEUR**
[72] AVLIAV, AVI, US
[72] MEVORAK, BARAK, US
[71] AVLIAV, AVI, US
[71] MEVORAK, BARAK, US
[22] 2017-07-24
[41] 2018-01-22
[30] US (15/217,353) 2016-07-22

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[21] 2,974,573
[13] A1
[51] **Int.Cl. F24F 12/00 (2006.01) A01K 1/00 (2006.01) A01K 31/18 (2006.01) F24F 7/007 (2006.01) F24F 13/30 (2006.01)**
[25] EN
[54] **HYBRID HEAT RECOVERY SYSTEM WITH ENERGY RECOVERY AND USE THEREOF**
[54] **SYSTEME DE RECUPERATION DE CHALEUR HYBRIDE A RECUPERATION D'ENERGIE, ET UTILISATION ASSOCIEE**
[72] BRODEUR, MATHIEU, CA
[71] BRODEUR, MATHIEU, CA
[22] 2017-07-26
[41] 2018-01-26
[30] US (62/366,657) 2016-07-26

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[21] 2,974,594
[13] A1
[51] **Int.Cl. E05D 15/16 (2006.01) E05D 13/00 (2006.01)**
[25] EN
[54] **WINDOW BALANCE HAVING FOUR-LOOP CORD CONFIGURATION**
[54] **CONTREPOIDS DE FENETRE COMPORTANT UNE CONFIGURATION DE CORDE A QUATRE BOUCLES**
[72] KELLUM, WILBUR J., III, US
[71] AMESBURY GROUP, INC., US
[22] 2017-07-26
[41] 2018-01-26
[30] US (62/366,940) 2016-07-26

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[21] 2,974,606
[13] A1
[51] **Int.Cl. B08B 3/02 (2006.01)**
[25] EN
[54] **PRESSURE WASHER SYSTEM**
[54] **SYSTEME DE LAVEUSE SOUS PRESSION**
[72] ALEXANDER, GUS, US
[72] KOLICHESKI, PAULO ROGERIO FUNK, US
[72] HANSEN, MICHAEL C., US
[72] PENUELAZ, JAVIER, US
[71] FNA GROUP, INC., US
[22] 2017-07-26
[41] 2018-01-27
[30] US (62/367,372) 2016-07-27

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[21] 2,974,642
[13] A1
[51] **Int.Cl. H04L 9/06 (2006.01) H04L 12/951 (2013.01)**
[25] EN
[54] **SEGMENTED ENCRYPTION FOR CONTENT DELIVERY**
[54] **CHIFFREMENT SEGMENTE DESTINE A LA LIVRAISON DE CONTENU**
[72] GAYDOS, ROBERT, US
[72] MAO, WEIDONG, US
[72] BARKLEY, JAMES, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2017-07-25
[41] 2018-01-27
[30] US (15/221,056) 2016-07-27

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[21] 2,974,671
[13] A1
[51] **Int.Cl. B23D 45/04 (2006.01) B23D 47/00 (2006.01)**
[25] EN
[54] **MITER SAW**
[54] **SCIE A ONGLET**
[72] HART, MICHAEL, US
[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, MO
[22] 2017-07-27
[41] 2018-01-27
[30] US (62/367,195) 2016-07-27

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[21] 2,981,906
[13] A1
[51] **Int.Cl. F21V 29/70 (2015.01) F21V 29/73 (2015.01) F21K 9/23 (2016.01) F21K 9/238 (2016.01) F21S 41/141 (2018.01) F21S 45/47 (2018.01)**
[25] EN
[54] **LED LAMP WITH A FLEXIBLE HEAT SINK**
[54] **LAMPE DEL DOTEE D'UN PUITS THERMIQUE FLEXIBLE**
[72] ELWELL, JAMES P., US
[72] QUICK, TRENT, US
[72] XU, BAOZHOU, US
[71] PUTCO, INC., US
[22] 2017-10-06
[41] 2018-01-25
[30] US (15/720,517) 2017-09-29

[21] **2,986,346**
[13] A1
[51] **Int.Cl. E21B 34/14 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **PROFILE-SELECTIVE SLEEVES FOR SUBSURFACE MULTI-STAGE VALVE ACTUATION**
[54] **MANCHONS A PROFIL SELECTIF DESTINES A L'ACTIONNEMENT DE VANNE MULTIETAGE EN SOUS-SURFACE**
[72] CAMPBELL, SEAN P., CA
[72] ROJAS, DANIEL, US
[71] SC ASSET CORPORATION, CA
[22] 2017-11-21
[41] 2018-01-24

---

[21] **2,986,352**
[13] A1
[51] **Int.Cl. E21B 34/06 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **LOCKING RING SYSTEM FOR USE IN FRACKING OPERATIONS**
[54] **SYSTEME DE BAGUE DE VERROUILLAGE DESTINE A DES OPERATIONS DE FRACTURATION**
[72] CAMPBELL, SEAN P., CA
[71] SC ASSET CORPORATION, CA
[22] 2017-11-21
[41] 2018-01-24

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[21] **2,986,361**
[13] A1
[51] **Int.Cl. G01N 15/00 (2006.01)**
[25] EN
[54] **METHOD AND MEASUREMENT APPARATUS FOR MEASURING SUSPENSION**
[54] **METHODE ET APPAREIL DE MESURE SERVANT A MESURER LA SUSPENSION**
[72] KARKI, PASI, FI
[72] TORMANEN, MATTI, FI
[71] VALMET AUTOMATION OY, FI
[22] 2017-11-21
[41] 2018-01-24
[30] FI (20165938) 2016-12-08

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[21] **2,986,515**
[13] A1
[51] **Int.Cl. C10G 31/06 (2006.01) C10G 57/00 (2006.01)**
[25] EN
[54] **STEAMLESS HYDROCARBON PROCESSING (UPGRADING) FACILITY WITH MULTIPLE & INTEGRATED USES OF NON-CONDENSABLE GAS FOR HYDROCARBON PROCESSING**
[54] **INSTALLATION DE TRAITEMENT (VALORISATION) D'HYDROCARBURE TRANSPARENT OFFRANT PLUSIEURS USAGES INTEGRES DE GAZ NON CONDENSABLE DESTINE AU TRAITEMENT D'HYDROCARBURE**
[72] CORSCADDEN, TOM, CA
[72] GUFFEY, FRANK DAVID, US
[72] DIDUCH, GREG, CA
[72] KEARN, JIM, CA
[72] REMESAT, DARIUS, CA
[71] MEG ENERGY CORP., CA
[22] 2017-11-22
[41] 2018-01-26

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[21] **2,986,665**
[13] A1
[51] **Int.Cl. E21B 33/068 (2006.01) E21B 43/12 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **DROP BALL SIZING APPARATUS AND METHOD**
[54] **APPAREIL DE DETERMINATION DE LA TAILLE D'UN CASSE-FONTE ET METHODE**
[72] SINKEWICH, ROBERT, CA
[72] WATMOUGH, JOSEPH, CA
[72] HALLADAY, NIGEL, GB
[71] GLOBAL CORE TECHNOLOGIES CORP., CA
[22] 2017-11-23
[41] 2018-01-26
[30] US (62/581608) 2017-11-03

---

[21] **2,986,676**
[13] A1
[51] **Int.Cl. G05B 19/404 (2006.01) B23K 26/03 (2006.01) B23K 26/36 (2014.01) B23Q 17/20 (2006.01) G05B 19/401 (2006.01)**
[25] EN
[54] **METHOD FOR AUTOMATED STRAIGHTENING OF WELDED ASSEMBLIES**
[54] **METHODE DE REDRESSEMENT AUTOMATISE D'ASSEMBLAGES SOUDES**
[72] MORNEAU, GASTON, CA
[72] CARON-GUILLEMETTE, GABRIEL, CA
[71] BOMBARDIER TRANSPORTATION GMBH, DE
[22] 2017-11-24
[41] 2018-01-26

PCT Applications Entering the National Phase

Demandes PCT entrant en phase nationale

[21] **2,951,257**
[13] A1
[51] **Int.Cl. B65D 1/02 (2006.01) B65D 1/40 (2006.01)**
[25] EN
[54] **BOTTLE HAVING ONE OR MORE INTERNAL PROJECTIONS**
[54] **BOUTEILLE COMPRENANT UNE OU PLUSIEURS SAILLIES INTERNES**
[72] LAIB, DOUGLAS, US
[72] PAREDES, RAUL M., US
[72] HERMAN, MEGAN, US
[72] REISIG, KARL A., US
[72] CHISHOLM, BRIAN J., US
[72] BRYANT, JESSICA R., US
[71] OWENS-BROCKWAY GLASS CONTAINER INC., US
[85] 2016-12-05
[86] 2015-05-27 (PCT/US2015/032559)
[87] (WO2016/089444)
[30] US (14/297,791) 2014-06-06

[21] **2,957,839**
[13] A1
[51] **Int.Cl. B29C 70/06 (2006.01) B29C 47/02 (2006.01) C08J 5/04 (2006.01) C08J 5/18 (2006.01) C08K 7/14 (2006.01) C08L 23/02 (2006.01)**
[25] EN
[54] **COMPOSITE MATERIAL SHEET AND PROCESS FOR MANUFACTURING THE SAME**
[54] **FEUILLE DE MATERIAU COMPOSITE ET PROCEDE DE FABRICATION ASSOCIE**
[71] RENOLIT GOR S.P.A., IT
[85] 2017-03-16
[86] 2016-07-22 (PCT/IB2016/054373)
[87] (2957839)

[21] **2,969,003**
[13] A1
[51] **Int.Cl. A01G 23/095 (2006.01) A01G 3/00 (2006.01) A01G 3/08 (2006.01) A01G 23/083 (2006.01)**
[25] EN
[54] **CUTTING APPARATUS**
[54] **APPAREIL DE COUPE**
[72] CARTER, DAVID, CA
[71] AERIAL TOOL CORPORATION, CA
[85] 2017-05-31
[86] 2016-11-29 (PCT/CA2016/051402)
[87] (2969003)
[30] US (62/261,733) 2015-12-01

[21] **2,972,831**
[13] A1
[51] **Int.Cl. B01D 53/94 (2006.01) B01D 53/56 (2006.01)**
[25] EN
[54] **FILTER CATALYZED WITH SCR CATALYST, SYSTEMS AND METHODS**
[54] **FILTRE CATALYSE PAR CATALYSEUR DE REDUCTION CATALYTIQUE SELECTIVE (SCR), SYSTEMES ET PROCEDES**
[72] TANG, WEIYONG, US
[72] KUMAR, SANATH V., US
[72] HALLSTROM, KEVIN A., US
[72] YOUNGREN, DAVID M., US
[72] VOSS, KENNETH E., US
[71] BASF CORPORATION, US
[85] 2017-06-29
[86] 2016-03-18 (PCT/US2016/023103)
[87] (WO2016/149606)
[30] US (62/135,657) 2015-03-19

[21] **2,972,937**
[13] A1
[51] **Int.Cl. B01J 37/02 (2006.01) B01J 37/08 (2006.01)**
[25] EN
[54] **MULTIFUNCTIONAL COATING SYSTEM AND COATING MODULE FOR APPLICATION OF CATALYTIC WASHCOAT AND/OR SOLUTION TO A SUBSTRATE AND METHODS THEREOF**
[54] **SYSTEME DE REVETEMENT MULTIFONCTIONNEL ET MODULE DE REVETEMENT D'APPLICATION DE COUCHE LAVIS CATALYTIQUE ET/OU DE SOLUTION A UN SUBSTRAT ET PROCEDES ASSOCIES**
[72] GRAMICCIONI, GARY A., US
[72] BROWN, KENNETH R., US
[72] NIELSEN, ERIK C., US
[71] BASF CORPORATION, US
[85] 2017-06-30
[86] 2016-03-28 (PCT/US2016/024511)
[87] (WO2016/160700)
[30] US (62/140,103) 2015-03-30
[30] US (62/140,205) 2015-03-30

[21] **2,975,099**
[13] A1
[51] **Int.Cl. C10J 3/72 (2006.01) A62D 3/40 (2007.01) H01M 8/0606 (2016.01) C01B 3/02 (2006.01) C01B 3/32 (2006.01) C01B 3/50 (2006.01) C01B 7/01 (2006.01) C01B 9/02 (2006.01) C01B 33/08 (2006.01) C01F 7/56 (2006.01)**
[25] EN
[54] **CHLORINATION OF PROCESSING RESIDUES AS A VARIABLE LOAD FOR GRID SCALE ELECTRICAL LOAD FOLLOWING AND STORAGE**
[54] **CHLORATION DES RESIDUS DE TRAITEMENT EN TANT QUE CHARGE VARIABLE POUR UN STOCKAGE ET UN SUIVI DE CHARGE ELECTRIQUE A L'ECHELLE DU RESEAU ELECTRIQUE**
[72] LANGLEY, JUSTIN, US
[71] LANGLEY, JUSTIN, US
[85] 2017-07-26
[86] 2016-01-18 (PCT/US2016/013811)
[87] (WO2016/122917)
[30] AU (2013299655) 2015-01-28
[30] CA (2,881,187) 2015-02-04
[30] US (14/852,028) 2015-09-11

[21] **2,979,946**
[13] A1
[51] **Int.Cl. C09K 5/04 (2006.01) C07C 17/42 (2006.01)**
[25] FR
[54] **STABILISATION OF 1-CHLORO-3,3,3-TRIFLUOROPROPENE**
[54] **STABILISATION DU 1-CHLORO-3,3,3-TRIFLUOROPROPENE**
[72] RACHED, WISSAM, FR
[72] GUERIN, SOPHIE, FR
[72] KINDLER, PASCALE, FR
[71] ARKEMA FRANCE, FR
[85] 2017-09-15
[86] 2016-03-15 (PCT/FR2016/050577)
[87] (WO2016/146940)
[30] FR (1552222) 2015-03-18

[21] **2,981,217**
[13] A1
[51] **Int.Cl. H02K 1/20 (2006.01) H02K 9/22 (2006.01) H02K 7/18 (2006.01)**
[25] EN
[54] **STATOR RING FOR AN ELECTRIC GENERATOR, AND GENERATOR AND WIND TURBINE HAVING SAID STATOR RING**
[54] **ANNEAU DE STATOR POUR GENERATEUR ELECTRIQUE ET GENERATEUR ET EOLIENNE EQUIPE DE CELUI-CI**
[72] KNOOP, FRANK, DE
[72] ZIEMS, JAN CARSTEN, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2017-09-28
[86] 2016-06-03 (PCT/EP2016/062605)
[87] (WO2016/198324)
[30] DE (10 2015 210 662.4) 2015-06-11

[21] **2,981,477**
[13] A1
[51] **Int.Cl. H01R 24/44 (2011.01) H01R 24/50 (2011.01)**
[25] EN
[54] **ELECTRONIC CONTROLLER**
[54] **APPAREIL DE COMMANDE ELECTRONIQUE**
[72] SCHRIMPF, THOMAS, DE
[72] REHM, STEFAN, DE
[72] LUDWIG, MATTHIAS, DE
[72] HORTIG, MICHAEL, DE
[72] HANSEN, JAN, DE
[72] ROJAHN, MARTIN, DE
[71] ROBERT BOSCH GMBH, DE
[85] 2017-09-29
[86] 2016-03-23 (PCT/EP2016/056393)
[87] (WO2016/162212)
[30] DE (10 2015 206 481.6) 2015-04-10

[21] **2,981,479**
[13] A1
[51] **Int.Cl. H05K 5/00 (2006.01) G01S 19/35 (2010.01) H05K 7/20 (2006.01)**
[25] EN
[54] **CONTROL UNIT**
[54] **APPAREIL DE COMMANDE**
[72] SCHRIMPF, THOMAS, DE
[72] WOERNLE, WOLFGANG, DE
[72] LUDWIG, MATTHIAS, DE
[72] HORTIG, MICHAEL, DE
[72] ROJAHN, MARTIN, DE
[71] ROBERT BOSCH GMBH, DE
[85] 2017-09-29
[86] 2016-03-23 (PCT/EP2016/056395)
[87] (WO2016/162213)
[30] DE (10 2015 206 480.8) 2015-04-10

[21] **2,981,550**
[13] A1
[51] **Int.Cl. H03H 7/46 (2006.01) H03H 7/01 (2006.01) H03H 9/05 (2006.01) H03H 9/70 (2006.01)**
[25] EN
[54] **FILTER ARRANGEMENT WITH COMPENSATION OF POOR ELECTRICAL GROUND**
[54] **AGENCEMENT DE FILTRE AVEC COMPENSATION DE MAUVAISE MISE ELECTRIQUE A LA TERRE**
[72] ROSETTI, LUIGI, DE
[71] SNAPTRACK, INC., US
[85] 2017-10-02
[86] 2015-05-11 (PCT/EP2015/060353)
[87] (WO2016/180466)

[21] **2,981,909**
[13] A1
[51] **Int.Cl. G09B 23/30 (2006.01) G01N 33/49 (2006.01) G09B 23/32 (2006.01) G09B 23/34 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR SIMULATION OF SURFACE BLEEDINGS**
[54] **DISPOSITIF ET PROCEDE POUR SIMULATION DE SAIGNEMENTS EN SURFACE**
[72] SPOTNITZ, WILLIAM, US
[72] FOREST, PATRICIA, FR
[72] WITTMANN, CATHERINE, FR
[72] GUYOT, VINCENT, FR
[72] PICOT, SYLVAIN, FR
[71] BIOM'UP, FR
[85] 2017-10-05
[86] 2016-04-07 (PCT/EP2016/057611)
[87] (WO2016/162415)
[30] US (14/681,305) 2015-04-08
[30] EP (15305517.3) 2015-04-08

[21] **2,982,666**
[13] A1
[51] **Int.Cl. H01R 39/08 (2006.01) H01R 39/34 (2006.01) H02K 13/02 (2006.01)**
[25] EN
[54] **SLIP RING UNIT FOR A ROTOR IN AN ELECTRICALLY EXCITED ROTARY DYNAMO-ELECTRIC MACHINE**
[54] **CORPS DE BAGUE COLLECTRICE POUR UN ROTOR D'UNE MACHINE DYNAMOELECTRIQUE ROTATIVE A EXCITATION ELECTRIQUE**
[72] BINDER, HERBERT, DE
[72] MEMMINGER, OLIVER, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2017-10-13
[86] 2016-03-30 (PCT/EP2016/056905)
[87] (WO2016/165939)
[30] EP (15164054.7) 2015-04-17

[21] **2,982,701**
[13] A1
[51] **Int.Cl. G05B 19/042 (2006.01) A47B 9/00 (2006.01) H02B 1/24 (2006.01)**
[25] EN
[54] **DEVICE FOR CONTROLLING HEIGHT-ADJUSTABLE TABLES**
[54] **DISPOSITIF DE COMMANDE DE TABLES REGLABLES EN HAUTEUR**
[72] HANSEN, MELF, DE
[71] KESSEBOHMER PRODUKTIONS GMBH & CO. KG, DE
[85] 2017-10-13
[86] 2016-04-13 (PCT/EP2016/058106)
[87] (WO2016/169824)
[30] DE (10 2015 207 257.6) 2015-04-21

[21] **2,982,770**
[13] A1
[51] **Int.Cl. G06K 19/077 (2006.01) G06K 19/073 (2006.01) H01B 1/20 (2006.01)**
[25] EN
[54] **TAMPER-RESISTANT DYNAMIC TRANSACTION CARD AND METHOD OF PROVIDING A TAMPER-RESISTANT DYNAMIC TRANSACTION CARD**
[54] **CARTE DE TRANSACTION DYNAMIQUE INFALSIFIABLE ET PROCEDE DE FOURNITURE DE CARTE DE TRANSACTION DYNAMIQUE INFALSIFIABLE**
[72] WURMFELD, DAVID, US
[72] ZARAKAS, JAMES, US
[72] MARKSON, THEODORE, US
[72] SANGI, SALEEM, US
[72] LOCKE, TYLER, US
[72] KELLY, KEVIN, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2017-10-13
[86] 2016-04-14 (PCT/US2016/027476)
[87] (WO2016/168423)
[30] US (62/147,568) 2015-04-14
[30] US (62/270,449) 2015-12-21

[21] **2,983,368**
[13] A1
[51] **Int.Cl. A61K 47/36 (2006.01) A61K 9/08 (2006.01) A61P 19/00 (2006.01)**
[25] FR
[54] **HOMOGENEOUS AQUEOUS SOLUTION OF INJECTABLE CHITOSAN HAVING A PH CLOSE TO PHYSIOLOGICAL PH**
[54] **SOLUTION AQUEUSE HOMOGENE DE CHITOSANE INJECTABLE PRESENTANT UN PH PROCHE DU PH PHYSIOLOGIQUE**
[72] GUERRY, ALEXANDRE, FR
[72] BERTAINA, FREDERIC, FR
[71] BIOXIS PHARMACEUTICALS, FR
[85] 2017-10-19
[86] 2016-04-22 (PCT/FR2016/050953)
[87] (WO2016/170284)
[30] FR (15 53644) 2015-04-23

[21] **2,983,380**
[13] A1
[51] **Int.Cl. G01N 1/22 (2006.01) B01D 53/88 (2006.01) G01N 1/24 (2006.01) G01N 33/00 (2006.01)**
[25] EN
[54] **MEASURING APPARATUS HAVING A DEVICE FOR GENERATING CLEAN AIR**
[54] **APPAREIL DE MESURE DOTE D'UN DISPOSITIF DE PRODUCTION D'AIR PROPRE**
[72] REMONDINI, MARCO, IT
[71] SACMI COOPERATIVA MECCANICI IMOLA SOCIETA' COOPERATIVA, IT
[85] 2017-10-19
[86] 2016-05-13 (PCT/IB2016/052762)
[87] (WO2016/181353)
[30] IT (BO2015A000246) 2015-05-13

[21] **2,983,425**
[13] A1
[51] **Int.Cl. A45D 1/04 (2006.01) A45D 1/08 (2006.01)**
[25] EN
[54] **EASY-TO-USE ELECTRIC HEATING APPLIANCE FOR HAIR BEAUTY**
[54] **APPAREIL ELECTRIQUE CHAUFFANT FACILE A UTILISER DESTINE A LA BEAUTE DES CHEVEUX**
[72] KIM, CHAN SOO, KR
[71] KIM, CHAN SOO, KR
[85] 2017-10-19
[86] 2016-04-20 (PCT/KR2016/004105)
[87] (WO2016/171463)
[30] KR (10-2015-0055228) 2015-04-20

[21] **2,983,553**
[13] A1
[51] **Int.Cl. C07D 493/08 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING LEVOGLUCOSENONE**
[54] **PROCEDE DE PRODUCTION DE LEVOGLUCOSENONE**
[72] CLARK, JAMES HANLEY, GB
[72] DE BRUYN, MARIO, GB
[72] BUDARIN, VITALIY LVOVICH, GB
[71] UNIVERSITY OF YORK, GB
[85] 2017-10-20
[86] 2016-04-20 (PCT/GB2016/051095)
[87] (WO2016/170329)
[30] GB (1506701.0) 2015-04-20
[30] GB (1509131.7) 2015-05-27

[21] **2,983,629**
[13] A1
[51] **Int.Cl. A61K 8/30 (2006.01) C12Q 1/6897 (2018.01) A61K 8/02 (2006.01) A61K 8/21 (2006.01) C12Q 1/00 (2006.01) G01N 33/48 (2006.01) G01N 33/52 (2006.01)**
[25] EN
[54] **DETOXIFICATION OF MICROBIAL VIRULENCE FACTORS IN ORAL CAVITY**
[54] **DETOXICATION DE FACTEURS DE VIRULENCE MICROBIENNE DANS LA CAVITE BUCCALE**
[72] HAUGHT, JOHN CHRISTIAN, US
[72] XIE, SANCAI, US
[72] TANSKY, CHERYL SUE, US
[72] MANTRI, YOGITA VINOD, US
[72] HUGGINS, THOMAS GLENN, US
[72] WHITE, DONALD JAMES, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2017-10-20
[86] 2016-05-06 (PCT/US2016/031350)
[87] (WO2016/179561)
[30] US (62/157,659) 2015-05-06
[30] US (62/157,671) 2015-05-06
[30] US (62/309,110) 2016-03-16

[21] **2,983,659**
[13] A1
[51] **Int.Cl. A61K 47/36 (2006.01) A61K 9/14 (2006.01) A61K 31/713 (2006.01) A61P 31/12 (2006.01) A61P 37/02 (2006.01) C08L 3/02 (2006.01)**
[25] EN
[54] **POLYINOSINIC-POLYCYTIDYLIC ACID (POLY(I:C)) PEA STARCH FORMULATION FOR THE PREVENTION AND/OR TREATMENT OF UPPER RESPIRATORY TRACT INFECTIONS**
[54] **FORMULATION D'AMIDON DE POIS D'ACIDE POLYINOSINIQUE-POLYCYTIDYLIQUE (POLY(I:C)) POUR LA PREVENTION ET/OU LE TRAITEMENT D'INFECTIONS DES VOIES RESPIRATOIRES SUPERIEURES**
[72] VAN DIJCK, ALEX HENRI, BE
[72] MENSCH, JURGEN, BE
[71] JANSSEN SCIENCES IRELAND UC, IE
[85] 2017-10-23
[86] 2016-05-10 (PCT/IB2016/000890)
[87] (WO2016/181226)
[30] EP (15167129.4) 2015-05-11

[21] **2,983,665**
[13] A1
[51] **Int.Cl. C07D 407/14 (2006.01) C07D 407/04 (2006.01) C08G 59/00 (2006.01)**
[25] FR
[54] **BIOSOURCED COMPOUND HAVING EPOXIDE FUNCTIONS, METHOD FOR THE SYNTHESIS OF SUCH A COMPOUND, AND USE THEREOF FOR PRODUCING EPOXY RESIN**
[54] **COMPOSE A FONCTIONS EPOXYDES BIOSOURCE, PROCEDE DE SYNTHESE D'UN TEL COMPOSE ET SON UTILISATION POUR LA PREPARATION DE RESINE EPOXYDE**
[72] ROUMEAS, LAURENT, FR
[72] FULCRAND, HELENE, FR
[72] AOUF, CHAHINEZ, FR
[72] DUBREUCQ, ERIC, FR
[71] INSTITUT NATIONAL D'ETUDES SUPERIEURES AGRONOMIQUES DE MONTPELLIER (MONTPELLIER SUP AGRO), FR
[71] INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE, FR
[85] 2017-10-23
[86] 2016-04-22 (PCT/FR2016/050957)
[87] (WO2016/174334)
[30] FR (1553769) 2015-04-27

[21] **2,983,703**
[13] A1
[51] **Int.Cl. G05B 19/409 (2006.01) H04B 10/80 (2013.01) H02B 15/04 (2006.01)**
[25] EN
[54] **MOSAIC MODULE FOR A CONTROL PANEL OF A POWER PLANT, CONTROL PANEL, AND SYSTEM COMPRISING A CONTROL PANEL AND A POWER GENERATING UNIT**
[54] **MODULE MOSAIQUE POUR UN PANNEAU DE COMMANDE D'UNE CENTRALE ELECTRIQUE, PANNEAU DE COMMANDE, ET SYSTEME COMPRENANT UN PANNEAU DE COMMANDE ET UNE UNITE DE GENERATION DE PUISSANCE**
[72] KLEIN, ANDREAS, DE
[71] AREVA NP, FR
[85] 2017-10-23
[86] 2016-04-26 (PCT/EP2016/059252)
[87] (WO2016/177602)
[30] EP (15305683.3) 2015-05-05

[21] **2,983,712**
[13] A1
[51] **Int.Cl. G01N 33/574 (2006.01) G01N 33/577 (2006.01)**
[25] EN
[54] **METHOD FOR DETECTING CARCINOGENESIS IN THE UTERINE CERVIX**
[54] **PROCEDE PERMETTANT DE DETECTER UNE CARCINOGENESE DU COL DE L'UTERUS**
[72] MACCALLINI, VINCENZO, IT
[72] DI BENEDETTO, GIUSEPPE, IT
[71] MACCALLINI, VINCENZO, IT
[71] DI BENEDETTO, GIUSEPPE, IT
[85] 2017-10-23
[86] 2015-05-07 (PCT/IT2015/000126)
[87] (WO2015/170360)
[30] IT (RM2014A000225) 2014-05-07

[21] **2,983,738**
[13] A1
[51] **Int.Cl. B01J 23/745 (2006.01) B01J 37/03 (2006.01) C10G 2/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING LIQUID OR SOLID HYDROCARBONS FROM SYNTHESIS GAS VIA FISCHER-TROPSCH SYNTHESIS WHICH DOES NOT CARRY OUT SEPARATE REDUCTION PRE-TREATMENT FOR CATALYST ACTIVATION**
[54] **PROCEDE DE PRODUCTION D'HYDROCARBURES LIQUIDES OU SOLIDES A PARTIR DE GAZ DE SYNTHESE PAR SYNTHESE FISCHER-TROPSCH QUI N'IMPLIQUE PAS DE PRETRAITEMENT DE REDUCTION SEPARE POUR L'ACTIVATION DU CATALYSEUR**
[72] CHUN, DONG HYUN, KR
[72] JUNG, HEON, KR
[72] HONG, SUNG JUN, KR
[72] PARK, JI CHAN, KR
[72] LEE, HO TAE, KR
[72] YANG, JUNG IL, KR
[71] KOREA INSTITUTE OF ENERGY RESEARCH, KR
[85] 2017-10-23
[86] 2016-04-22 (PCT/KR2016/004246)
[87] (WO2016/171516)
[30] KR (10-2015-0057395) 2015-04-23

[21] **2,983,758**
[13] A1
[51] **Int.Cl. A61K 31/395 (2006.01) A61K 31/33 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ANTI-FUGETACTIC AGENT AND ANTI-CANCER AGENT COMBINATION THERAPY AND COMPOSITIONS FOR THE TREATMENT OF CANCER**
[54] **POLYTHERAPIE AVEC UN AGENT ANTI-FUGETACTIQUE ET UN AGENT ANTICANCEREUX ET COMPOSITIONS POUR LE TRAITEMENT DU CANCER**
[72] POZNANSKY, MARK C., US
[72] REEVES, PATRICK, US
[71] THE GENERAL HOSPITAL CORPORATION, US
[85] 2017-10-23
[86] 2016-04-25 (PCT/US2016/029257)
[87] (WO2016/176155)
[30] US (62/152,831) 2015-04-25

[21] **2,983,759**
[13] A1
[51] **Int.Cl. C07D 207/277 (2006.01) A01N 43/36 (2006.01) A01N 43/40 (2006.01) A01N 43/48 (2006.01) A01N 43/50 (2006.01) A01N 43/76 (2006.01) C07D 211/78 (2006.01) C07D 401/04 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01) C07D 405/04 (2006.01) C07D 409/04 (2006.01) C07D 409/12 (2006.01) C07D 413/12 (2006.01) C07D 417/04 (2006.01) C07D 471/04 (2006.01) C07D 495/04 (2006.01)**
[25] EN
[54] **SUBSTITUTED CYCLIC AMIDES AND THEIR USE AS HERBICIDES**
[54] **AMIDES CYCLIQUES SUBSTITUES ET LEUR UTILISATION EN TANT QU'HERBICIDES**
[72] SATTERFIELD, ANDREW DUNCAN, US
[72] CAMPBELL, MATTHEW JAMES, US
[72] BEREZNAK, JAMES FRANCIS, US
[72] WHITTINGHAM, WILLIAM GUY, GB
[72] MITCHELL, GLYNN, GB
[72] MATHEWS, CHRISTOPHER JOHN, GB
[72] SCUTT, JAMES NICHOLAS, GB
[72] MORRIS, JAMES ALAN, GB
[72] DALLIMORE, JOHNATHAN WESLEY PAUL, GB
[72] INGRAM, KATHARINE MARY, GB
[72] DESSON, TIMOTHY ROBERT, GB
[72] LING, KENNETH, GB
[71] E I DU PONT DE NEMOURS AND COMPANY, US
[85] 2017-10-23
[86] 2016-06-01 (PCT/US2016/035214)
[87] (WO2016/196593)
[30] US (62/170,129) 2015-06-02

[21] **2,983,761**
[13] A1
[51] **Int.Cl. H01R 13/645 (2006.01)**
[25] EN
[54] **PLUG CONNECTION AND SET OF PLUG CONNECTIONS**
[54] **CONNEXION PAR ENFICHAGE ET JEU DE CONNEXIONS PAR ENFICHAGE**
[72] MUHLFELLNER, HELMUT, DE
[72] HASENOHRL, ULRICH, DE
[72] GARTEN, THOMAS, DE
[71] ROSENBERGER HOCHFREQUENZTECHNIK GMBH & CO. KG, DE
[85] 2017-10-24
[86] 2016-04-19 (PCT/EP2016/000634)
[87] (WO2016/173698)
[30] DE (20 2015 003 177.3) 2015-04-30

[21] **2,983,774**
[13] A1
[51] **Int.Cl. H03H 9/70 (2006.01) H03H 9/72 (2006.01)**
[25] EN
[54] **A MULTIPLEXER**
[54] **MULTIPLEXEUR**
[72] KUBAT, FRANZ, DE
[71] SNAPTRACK, INC., US
[85] 2017-10-24
[86] 2016-05-17 (PCT/EP2016/061028)
[87] (WO2016/192983)
[30] DE (10 2015 108 511.9) 2015-05-29

[21] **2,983,798**
[13] A1
[51] **Int.Cl. A61K 47/64 (2017.01) A61L 26/00 (2006.01) A61P 7/04 (2006.01) A61P 41/00 (2006.01)**
[25] EN
[54] **HAEMOSTATIC COMPOSITIONS**
[54] **COMPOSITIONS HEMOSTATIQUES**
[72] ZBOZIEN, RENATA, GB
[72] NICHOLS, BEN, GB
[71] HAEMOSTATIX LIMITED, GB
[85] 2017-10-24
[86] 2016-05-11 (PCT/GB2016/051346)
[87] (WO2016/181137)
[30] GB (1508024.5) 2015-05-11

[21] **2,983,883**
[13] A1
[51] **Int.Cl. B41J 2/175 (2006.01)**
[25] EN
[54] **INK RESERVOIR WITH BACK PRESSURE SYSTEM**
[54] **RESERVOIR D'ENCRE AVEC SYSTEME DE CONTRE-PRESSION**
[72] TORI, SILVANO, IT
[71] SICPA HOLDING SA, CH
[85] 2017-10-25
[86] 2016-03-31 (PCT/EP2016/057053)
[87] (WO2016/188653)
[30] EP (15169594.7) 2015-05-28

[21] **2,983,890**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **METHODS OF TREATING PATIENTS HAVING MUTATIONS IN THE EXTRACELLULAR DOMAIN OF EPIDERMAL GROWTH FACTOR RECEPTOR (EGFR) WITH A COMBINATION OF THREE FULLY HUMAN MONOCLONAL ANTI-EGFR ANTIBODIES**
[54] **PROCEDES DE TRAITEMENT DE PATIENTS PRESENTANT DES MUTATIONS DANS LE DOMAINE EXTRACELLULAIRE DU RECEPTEUR DE FACTEUR DE CROISSANCE EPIDERMIQUE (EGFR) AVEC UNE COMBINAISON DE TROIS ANTICORPS ANTI-EGFR MONOCLONAUX ENTIEREMENT HUMAINS**
[72] ARENA, SABRINA, IT
[72] BARDELLI, ALBERTO, IT
[72] KEARNS, JEFFREY D., US
[72] WOLF, BENI, B., US
[72] NERING, RACHEL, C., US
[72] WANG, HONGFANG, US
[71] MERRIMACK PHARMACEUTICALS, INC., US
[85] 2017-10-23
[86] 2016-04-22 (PCT/US2016/028987)
[87] (WO2016/172584)
[30] US (62/152,707) 2015-04-24
[30] US (62/244,991) 2015-10-22
[30] US (62/308,697) 2016-03-15
[30] US (62/323,475) 2016-04-15

[21] **2,984,064**
[13] A1
[51] **Int.Cl. G01N 21/90 (2006.01)**
[25] EN
[54] **BLISTER STRIP INSPECTION DEVICE**
[54] **DISPOSITIF D'INSPECTION D'UNE BANDE A ALVEOLES**
[72] VAN SCHELVEN, GIJSBERT OLIVIER, DE
[71] HMGEB HOLDING B.V., NL
[85] 2017-10-26
[86] 2016-05-04 (PCT/EP2016/060044)
[87] (WO2016/184689)
[30] DE (10 2015 107 730.2) 2015-05-18

[21] **2,984,090**
[13] A1
[51] **Int.Cl. G01N 37/00 (2006.01) G01D 3/032 (2006.01)**
[25] EN
[54] **IMPROVED BIOSENSOR SYSTEM ANALYTE MEASUREMENT**
[54] **MEILLEURE MESURE D'ANALYTE DE SYSTEME DE BIOCAPTEUR**
[72] WU, HUAN-PING, US
[71] ASCENSIA DIABETES CARE HOLDINGS AG, CH
[85] 2017-10-26
[86] 2016-05-13 (PCT/IB2016/052800)
[87] (WO2016/185352)
[30] US (62/162,298) 2015-05-15

[21] **2,984,106**
[13] A1
[51] **Int.Cl. G06F 8/34 (2018.01) G05B 19/042 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR AUTOMATIC SOFTWARE DEVELOPMENT FOR A GROUP OF CONTROLLER-BASED DEVICES**
[54] **PROCEDE ET APPAREIL DE DEVELOPPEMENT AUTOMATIQUE DE LOGICIELS POUR UN GROUPE DE DISPOSITIFS A BASE DE CONTROLEUR**
[72] LEONELLI, JEAN-BAPTISTE, FR
[72] CHANDARIA, TRISALA, US
[71] CIAMBELLA LTD., VG
[85] 2017-10-25
[86] 2016-05-06 (PCT/US2016/031217)
[87] (WO2016/182913)
[30] US (62/158,636) 2015-05-08

[21] **2,984,119**
[13] A1
[51] **Int.Cl. C07D 211/38 (2006.01) A61K 31/40 (2006.01) A61K 31/426 (2006.01) A61K 31/445 (2006.01) C07D 207/10 (2006.01) C07D 211/58 (2006.01) C07D 277/04 (2006.01)**
[25] EN
[54] **GUANIDINE COMPOUNDS AND USE THEREOF**
[54] **COMPOSES DE GUANIDINE ET LEUR UTILISATION**
[72] KIM, SUNG WUK, KR
[72] KIM, HONG WOO, KR
[72] YOO, SANG HEE, KR
[72] LEE, JI SUN, KR
[72] HEO, HYE JIN, KR
[72] LEE, HONG BUM, KR
[72] KOOK, JI AE, KR
[72] LEE, YOUNG WOO, KR
[71] IMMUNOMET THERAPEUTICS INC., US
[85] 2017-10-25
[86] 2015-04-30 (PCT/KR2015/004423)
[87] (WO2016/175357)

[21] **2,984,122**
[13] A1
[51] **Int.Cl. H02K 3/34 (2006.01) H02K 15/10 (2006.01)**
[25] EN
[54] **METHOD OF MAKING MULTI-TURN COILS**
[54] **PROCEDE DE FABRICATION DE BOBINES MULTISPIRES**
[72] KREMZA, INNA, CA
[72] FENWICK, JEFF, CA
[71] VOITH PATENT GMBH, DE
[85] 2017-10-26
[86] 2015-04-27 (PCT/EP2015/059000)
[87] (WO2016/173608)

[21] **2,984,183**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4985 (2006.01)**
[25] EN
[54] **PYRROLO[2,3-D]PYRIMIDINYL, PYRROLO[2,3-B]PYRAZINYL, PYRROLO[2,3-B]PYRIDINYL ACRYLAMIDES AND EPOXIDES THEREOF**
[54] **PYRROLO [2,3-D] PYRIMIDINYL, PYRROLO[2,3-B] PYRAZINYL, PYRROLO [2,3-B] PYRIDINYL ACRYLAMIDES ET LEUR EPOXYDES**
[72] THORARENSEN, ATLI, US
[72] BROWN, MATTHEW FRANK, US
[72] CASIMIRO-GARCIA, AGUSTIN, US
[72] CHE, YE, US
[72] FLANAGAN, MARK EDWARD, US
[72] GILBERT, ADAM MATTHEW, US
[72] HAYWARD, MATTHEW MERRILL, US
[72] TELLIEZ, JEAN-BAPTISTE, US
[72] UNWALLA, RAYOMAND JAL, US
[72] TRUJILLO, JOHN I., US
[72] LIANG, SIDNEY XI, US
[71] PFIZER INC., US
[85] 2017-10-27
[86] 2016-04-19 (PCT/IB2016/052220)
[87] (WO2016/178110)
[30] US (62/155,824) 2015-05-01

[21] **2,984,185**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 25/06 (2006.01) C07K 16/26 (2006.01)**
[25] EN
[54] **ANTI-CGRP ANTIBODY FORMULATION**
[54] **FORMULATION D'ANTICORPS ANTI-CGRP**
[72] SHARMA, ANANT N., US
[71] ELI LILLY AND COMPANY, US
[85] 2017-10-26
[86] 2016-06-08 (PCT/US2016/036407)
[87] (WO2016/205037)
[30] US (62/180,905) 2015-06-17

[21] **2,984,249**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 3/00 (2006.01) A61P 19/00 (2006.01) C07K 16/18 (2006.01) C07K 16/22 (2006.01)**
[25] EN
[54] **TREATMENT OF FIBRODYSPLASIA OSSIFICANS PROGRESSIVA**
[54] **TRAITEMENT DE LA FIBRODYSPLASIE OSSIFIANTE PROGRESSIVE**
[72] HATSELL, SARAH J., US
[72] ECONOMIDES, ARIS N., US
[72] IDONE, VINCENT J., US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2017-10-27
[86] 2016-04-27 (PCT/US2016/029585)
[87] (WO2016/176341)
[30] US (62/154,617) 2015-04-29
[30] US (62/155,427) 2015-04-30

[21] **2,984,255**
[13] A1
[51] **Int.Cl. B32B 3/04 (2006.01) B29C 61/02 (2006.01) B32B 7/02 (2006.01) B32B 27/08 (2006.01) B66B 23/24 (2006.01)**
[25] EN
[54] **COMPACT COMPOSITE HANDRAILS WITH ENHANCED MECHANICAL PROPERTIES**
[54] **MAINS COURANTES COMPOSITES COMPACTES AYANT DES PROPRIETES MECANIQUES AMELIOREES**
[72] BUTWELL, REGINALD ANTHONY, CA
[72] KENNY, ANDREW OLIVER, CA
[72] WONG, JASON, CA
[71] EHC CANADA, INC., CA
[85] 2017-10-27
[86] 2016-05-06 (PCT/CA2016/050522)
[87] (WO2016/176778)
[30] US (62/158,348) 2015-05-07

[21] **2,984,365**
[13] A1
[51] **Int.Cl. G02B 26/00 (2006.01) G02B 27/28 (2006.01) G03B 21/20 (2006.01) F21S 10/02 (2006.01) H04N 9/31 (2006.01)**
[25] EN
[54] **POLARIZED WAVELENGTH CONVERSION WHEEL**
[54] **ROUE DE CONVERSION DE LONGUEUR D'ONDE POLARISEE**
[72] MAES, DIRK, BE
[71] BARCO NV, BE
[85] 2017-10-30
[86] 2015-05-21 (PCT/EP2015/061214)
[87] (WO2016/184522)

[21] **2,984,378**
[13] A1
[51] **Int.Cl. C07C 67/58 (2006.01) C07C 29/147 (2006.01) C07C 67/48 (2006.01)**
[25] EN
[54] **PROCESS FOR THE RECOVERY OF DIALKYL SUCCINATE OR DIALKYL MALEATE**
[54] **PROCEDE DE RECUPERATION DE SUCCINATE DE DIALKYLE OU DE MALEATE DE DIALKYLE**
[72] CAMPBELL, IAN, GB
[72] CARRETT, STEPHEN, GB
[72] TUCK, MICHAEL WILLIAM MARSHALL, GB
[71] JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED, GB
[85] 2017-10-27
[86] 2016-03-23 (PCT/GB2016/050829)
[87] (WO2016/174388)
[30] GB (1507234.1) 2015-04-28

[21] **2,984,405**
[13] A1
[51] **Int.Cl. A61K 31/194 (2006.01) A61K 31/355 (2006.01) A61K 31/375 (2006.01) A61K 33/30 (2006.01) A61K 36/185 (2006.01) A61P 27/02 (2006.01)**
[25] FR
[54] **COMPOSITION CONTAINING NORBIXIN FOR PROTECTING CELLS OF THE RETINAL PIGMENT EPITHELIUM**
[54] **COMPOSITION CONTENANT DE LA NORBIXINE POUR LA PROTECTION DES CELLULES DE L'EPITHELIUM PIGMENTAIRE RETINIEN**
[72] LAFONT, RENE, FR
[72] VEILLET, STANISLAS, FR
[72] SAHEL, JOSE-ALAIN, FR
[72] FONTAINE, VALERIE, FR
[72] ELENA, PIERRE-PAUL, FR
[71] BIOPHYTIS, FR
[71] UNIVERSITE PARIS 6 PIERRE ET MARIE CURIE, FR
[85] 2017-10-30
[86] 2016-04-28 (PCT/FR2016/051001)
[87] (WO2016/174360)
[30] FR (1553957) 2015-04-30

[21] **2,984,504**
[13] A1
[51] **Int.Cl. A61K 6/04 (2006.01) A61L 27/02 (2006.01) A61L 27/16 (2006.01) A61L 27/30 (2006.01) A61L 27/32 (2006.01)**
[25] EN
[54] **METHOD FOR CREATING A MINERAL TRIOXIDE AGGREGATE MATERIAL WITH IMPROVED BIOLOGICAL EFFECTS**
[54] **PROCEDE DE CREATION D'UN MATERIAU D'AGREGAT DE TRIOXYDE MINERAL A EFFETS BIOLOGIQUES AMELIORES**
[72] WILKINSON, KEVIN, US
[72] NDUNGU, GEOFFREY, US
[71] DENTSPLY SIRONA, INC., US
[85] 2017-10-30
[86] 2016-04-28 (PCT/US2016/029779)
[87] (WO2016/176448)
[30] US (62/154,282) 2015-04-29

[21] **2,984,608**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **METHODS OF MEDIATING CYTOKINE EXPRESSION WITH ANTI CCR4 ANTIBODIES**
[54] **METHODES DESTINEES A MEDIER L'EXPRESSION DE LA CYTOKINE AVEC DES ANTICORPS ANTI-CCR4**
[72] MARASCO, WAYNE A., US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2017-10-31
[86] 2016-04-06 (PCT/US2016/026232)
[87] (WO2016/178779)
[30] US (62/155,966) 2015-05-01
[30] US (62/217,419) 2015-09-11
[30] US (62/237,942) 2015-10-06

[21] **2,984,623**
[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01)**
[25] EN
[54] **METHODS FOR DIAGNOSING AND ASSESSING TREATMENT FOR CUSHING'S SYNDROME**
[54] **PROCEDES PERMETTANT DE DIAGNOSTIQUER ET D'EVALUER UN TRAITEMENT DU SYNDROME DE CUSHING**
[72] BELANOFF, JOSEPH K., US
[72] HUNT, HAZEL, US
[72] UNITT, JOHN FRANCIS, US
[72] MORAITIS, ANDREAS G., US
[71] CORCEPT THERAPEUTICS, INC., US
[85] 2017-10-31
[86] 2016-05-18 (PCT/US2016/033143)
[87] (WO2016/187347)
[30] US (62/163,130) 2015-05-18

[21] **2,984,714**
[13] A1
[51] **Int.Cl. C07D 405/12 (2006.01) A01N 25/32 (2006.01) A01N 43/38 (2006.01) A01P 21/00 (2006.01)**
[25] EN
[54] **PLANT GROWTH REGULATING COMPOUNDS**
[54] **COMPOSES REGULATEURS DE LA CROISSANCE DES PLANTES**
[72] DE MESMAEKER, ALAIN, CH
[72] LACHIA, MATHILDE DENISE, CH
[72] LUMBROSO, ALEXANDRE FRANCO JEAN CAMILLE, CH
[72] RENDINE, STEFANO, CH
[72] SCREPANTI, CLAUDIO, CH
[71] SYNGENTA PARTICIPATIONS AG, CH
[85] 2017-11-01
[86] 2016-06-01 (PCT/EP2016/062348)
[87] (WO2016/193290)
[30] GB (1509624.1) 2015-06-03

[21] **2,984,722**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/506 (2006.01) A61K 31/517 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR INHIBITION OF EGF/EGFR PATHWAY IN COMBINATION WITH TYROSINE KINASE INHIBITORS**
[54] **METHODE ET COMPOSITIONS POUR L'INHIBITION DE LA VOIE EGF/EGFR EN COMBINAISON AVEC DES INHIBITEURS DE LA TYROSINE KINASE**
[72] DHONDT, ERIK, BE
[72] MOLINA VILA, MIGUEL ANGEL, ES
[71] BIOVEN 3 LIMITED, BM
[85] 2017-11-01
[86] 2016-05-12 (PCT/IB2016/000888)
[87] (WO2016/181225)
[30] US (62/160,183) 2015-05-12
[30] US (15/073,021) 2016-03-17

[21] **2,984,727**
[13] A1
[51] **Int.Cl. C02F 1/44 (2006.01) B01D 61/00 (2006.01)**
[25] EN
[54] **SYSTEM, DEVICE AND METHOD FOR THE REMOVAL OF FOULING PRECIPITATES FROM FILTRATION MEMBRANES**
[54] **SYSTEME, DISPOSITIF ET PROCEDE POUR L'ELIMINATION DE PRECIPITES D'ENCRASSEMENT DE MEMBRANES DE FILTRATION**
[72] YEHUDA-ZADA, LIAT, IL
[72] AHARONI, MORDECHAY, IL
[72] GENKIN, GREGORY, IL
[72] ABU-RABEAH, KHALIL, IL
[71] DEAD SEA WORKS LTD., IL
[85] 2017-11-01
[86] 2016-04-25 (PCT/IL2016/050436)
[87] (WO2016/178211)
[30] US (62/156,132) 2015-05-01

[21] **2,984,728**
[13] A1
[51] **Int.Cl. B25H 1/06 (2006.01) B25H 1/04 (2006.01) B25H 1/14 (2006.01)**
[25] EN
[54] **WORKBENCH SUPPORT SYSTEM AND A WORKBENCH ASSEMBLY ASSOCIATED THEREWITH**
[54] **SYSTEME DE SUPPORT D'ETABLI ET ENSEMBLE ETABLI ASSOCIE A CELUI-CI**
[72] BRUNNER, YARON, IL
[71] KETER PLASTIC LTD., IL
[85] 2017-11-01
[86] 2016-05-04 (PCT/IL2016/050470)
[87] (WO2016/178227)
[30] US (62/156,544) 2015-05-04

[21] **2,984,949**
[13] A1
[51] **Int.Cl. A61K 31/606 (2006.01) A61P 17/00 (2006.01)**
[25] EN
[54] **TREATMENT OF SKIN CONDITIONS**
[54] **TRAITEMENT D'AFFECTIONS CUTANEES**
[72] SMYTH, IAN, AU
[72] COTTLE, DENNY, AU
[72] URSINO, GLORIA, AU
[71] MONASH UNIVERSITY, AU
[85] 2017-11-03
[86] 2016-03-16 (PCT/AU2016/050185)
[87] (WO2016/145488)
[30] AU (2015900943) 2015-03-16

[21] **2,984,957**
[13] A1
[51] **Int.Cl. A61K 38/45 (2006.01) A61K 38/28 (2006.01) A61P 3/10 (2006.01) G01N 33/567 (2006.01)**
[25] EN
[54] **MULTI-PEPTIDE COMPOSITION**
[54] **COMPOSITION MULTI-PEPTIDIQUE**
[72] PEAKMAN, MARK, GB
[71] KING'S COLLEGE LONDON, GB
[85] 2017-11-02
[86] 2016-06-10 (PCT/GB2016/051726)
[87] (WO2016/198887)
[30] GB (1510056.3) 2015-06-10

[21] **2,985,013**
[13] A1
[51] **Int.Cl. A61K 31/385 (2006.01) A61K 31/185 (2006.01) A61P 17/00 (2006.01) A61P 17/06 (2006.01) A61P 27/02 (2006.01)**
[25] FR
[54] **COMBINATION OF LIPOIC ACID AND TAURINE AS OSMOPROTECTIVE AGENT**
[54] **ASSOCIATION D'ACIDE LIPOIQUE ET DE TAURINE EN TANT QU'AGENT OSMOPROTECTEUR**
[72] CLARET, MARTINE, CH
[72] CLARET, CLAUDE, CH
[72] CHATARD-BAPTISTE, CAROLINE, FR
[71] OPHTALMIS MONACO, MC
[85] 2017-11-03
[86] 2016-05-20 (PCT/EP2016/061358)
[87] (WO2016/184998)
[30] FR (1554590) 2015-05-21
[30] FR (1650372) 2016-01-18

[21] **2,985,016**
[13] A1
[51] **Int.Cl. C10B 53/07 (2006.01) F23B 90/06 (2011.01) B01J 8/10 (2006.01) C10B 19/00 (2006.01) C10L 3/08 (2006.01) C10L 3/10 (2006.01) F23G 5/027 (2006.01) F23G 5/10 (2006.01) F23G 7/00 (2006.01)**
[25] FR
[54] **DEVICE FOR PRODUCING METHANE GAS AND USE OF SUCH A DEVICE**
[54] **DISPOSITIF DE PRODUCTION DE GAZ METHANE ET UTILISATION D'UN TEL DISPOSITIF**
[72] LEPEZ, OLIVIER, FR
[72] SAJET, PHILIPPE, FR
[71] E.T.I.A. - EVALUATION TECHNOLOGIQUE, INGENIERIE ET APPLICATIONS, FR
[85] 2017-11-03
[86] 2016-05-31 (PCT/EP2016/062310)
[87] (WO2016/193273)
[30] FR (1555148) 2015-06-05
[30] FR (1558609) 2015-09-15

[21] **2,985,165**
[13] A1
[51] **Int.Cl. H02M 7/68 (2006.01) H02M 7/501 (2007.01)**
[25] EN
[54] **POWER CONVERTER**
[54] **CONVERTISSEUR DE PUISSANCE**
[72] NG, CHONG HWA, GB
[72] MCKEEVER, PAUL, GB
[72] SMAILES, MICHAEL EDWARD, GB
[71] OFFSHORE RENEWABLE ENERGY CATAPULT, GB
[85] 2017-11-06
[86] 2016-05-12 (PCT/GB2016/051370)
[87] (WO2016/181155)
[30] GB (1508146.6) 2015-05-13

[21] **2,985,176**
[13] A1
[51] **Int.Cl. B65D 85/88 (2006.01)**
[25] EN
[54] **HEARING AID BATTERY PACKAGING**
[54] **EMBALLAGE DESTINE A UNE BATTERIE D'APPAREIL AUDITIF**
[72] DORR, WILLIAM R., US
[72] HARRIS, CHRISTOPHER A., US
[72] YOUNG, DAVE, US
[72] ANDERSON, TOM, US
[72] LAHAYE, JASON, US
[72] KOKOSZKA, MAREK, US
[72] TETEAK, DAN R., US
[71] SPECTRUM BRANDS, INC., US
[85] 2017-11-06
[86] 2016-05-06 (PCT/US2016/031336)
[87] (WO2016/182951)
[30] US (62/158,941) 2015-05-08

[21] **2,985,397**
[13] A1
[51] **Int.Cl. H01J 61/28 (2006.01) H01J 61/52 (2006.01)**
[25] EN
[54] **GAS DISCHARGE LAMP, AND DEVICE FOR CONTROLLING THE TEMPERATURE THEREOF**
[54] **LAMPE A DECHARGE ET DISPOSITIF THERMOREGULATEUR**
[72] ZIEGLER, KARIN, DE
[72] ZIEGLER, ROLF, DE
[71] ZED ZIEGLER ELECTRONIC DEVICES GMBH, DE
[85] 2017-11-08
[86] 2016-05-10 (PCT/EP2016/060386)
[87] (WO2016/184716)
[30] DE (10 2015 107 694.2) 2015-05-18

[21] **2,985,805**
[13] A1
[51] **Int.Cl. C08F 2/24 (2006.01)**
[25] EN
[54] **EMULSION POLYMERIZATION OF ESTERS OF ITACONIC ACID**
[54] **POLYMERISATION EN EMULSION D'ESTERS D'ACIDE ITACONIQUE**
[72] DURANT, YVON, US
[72] JIANG, BO, US
[72] TSAVALAS, JOHN, US
[71] ITACONIX CORPORATION, US
[85] 2017-11-10
[86] 2016-05-11 (PCT/US2016/031798)
[87] (WO2016/183164)
[30] US (62/159,514) 2015-05-11

[21] **2,986,107**
[13] A1
[51] **Int.Cl. G06K 1/12 (2006.01) B25C 1/00 (2006.01) B25C 5/00 (2006.01) B65G 43/00 (2006.01) G06K 19/07 (2006.01) H04B 5/00 (2006.01)**
[25] EN
[54] **INSERTION BODY, ASSEMBLY OF INSERTION BODIES AND METHOD FOR INSERTING AN INSERTION BODY**
[54] **CORPS D'ENFONCEMENT, ENSEMBLE DE CORPS D'ENFONCEMENT ET PROCEDE D'ENFONCEMENT D'UN CORPS D'ENFONCEMENT**
[72] BURGBACHER, AXEL C., DE
[71] WEWEWE GMBH, DE
[85] 2017-11-16
[86] 2016-05-20 (PCT/EP2016/061472)
[87] (WO2016/188918)
[30] DE (10 2015 006 506.8) 2015-05-25
[30] DE (20 2015 003 677.5) 2015-05-25
[30] DE (10 2015 013 722.0) 2015-10-26
[30] DE (20 2015 007 358.1) 2015-10-26

[21] **2,986,427**
[13] A1
[51] **Int.Cl. B32B 21/00 (2006.01) B05D 3/10 (2006.01) B32B 27/38 (2006.01) C08L 29/04 (2006.01)**
[25] EN
[54] **LIGNOCELLULOSIC COMPOSITES AND METHODS OF MAKING SAME**
[54] **COMPOSITES LIGNOCELLULOSIQUES ET LEURS PROCEDES DE FABRICATION**
[72] WARNER, JOHN C., US
[72] WHITFIELD, JUSTIN R., US
[72] GLADDING, JEFFERY A., US
[72] ALLEN, RICHARD M., US
[71] COLLABORATIVE AGGREGATES, LLC, US
[85] 2017-11-17
[86] 2016-05-26 (PCT/US2016/034231)
[87] (WO2016/191521)
[30] US (62/166,267) 2015-05-26

[21] **2,986,474**
[13] A1
[51] **Int.Cl. G02B 6/44 (2006.01) H01B 9/00 (2006.01) H01B 11/22 (2006.01)**
[25] EN
[54] **AERIAL OPTICAL AND ELECTRIC CABLE ASSEMBLY**
[54] **ENSEMBLE DE CABLE OPTIQUE ET ELECTRIQUE AERIEN**
[72] SUTEHALL, RALPH, IT
[72] DAVIES, MARTIN VINCENT, IT
[71] PRYSMIAN S.P.A., IT
[85] 2017-11-20
[86] 2015-05-27 (PCT/EP2015/061645)
[87] (WO2016/188570)

[21] **2,986,477**
[13] A1
[51] **Int.Cl. A61K 31/135 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **METHODS AND KITS FOR TREATING DEPRESSION**
[54] **METHODES ET TROUSSES POUR TRAITER LA DEPRESSION**
[72] SINGH, JASKARAN, US
[72] CAERS, IVO, BE
[72] DALY, ELLA, US
[72] DREVETS, WAYNE C., US
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2017-11-15
[86] 2016-05-20 (PCT/US2016/033404)
[87] (WO2016/187491)
[30] US (62/164,026) 2015-05-20

[21] **2,986,495**
[13] A1
[51] **Int.Cl. G05B 23/02 (2006.01) B66B 5/00 (2006.01)**
[25] EN
[54] **MONITORING OF CONVEYANCE SYSTEM**
[54] **SURVEILLANCE D'UNE INSTALLATION DE TRANSPORT**
[72] DE ANGELIS, CLAUDIO, DE
[71] INVENTIO AG, CH
[85] 2017-11-20
[86] 2016-05-25 (PCT/EP2016/061732)
[87] (WO2016/193077)
[30] EP (15170254.5) 2015-06-02

[21] **2,986,618**
[13] A1
[51] **Int.Cl. H04L 9/08 (2006.01) H04L 29/06 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **METHOD FOR PROVIDING A PERSONAL IDENTIFICATION CODE OF A SECURITY MODULE**
[54] **PROCEDE DE FOURNITURE D'UN CODE D'IDENTIFICATION PERSONNEL D'UN MODULE DE SECURITE**
[72] HERGET, WERNER, DE
[72] WERNER, THOMAS, DE
[71] GIESECKE+DEVRIENT MOBILE SECURITY GMBH, DE
[85] 2017-11-21
[86] 2016-05-25 (PCT/EP2016/000873)
[87] (WO2016/188637)
[30] DE (10 2015 006 751.6) 2015-05-26

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[21] **2,986,653**
[13] A1
[51] **Int.Cl. H03K 19/177 (2006.01)**
[25] EN
[54] **FIELD PROGRAMMABLE GATE ARRAY COMPRISING PLURALITY OF FUNCTIONAL BLOCKS, AND CONTROL DEVICE FOR A POWER PLANT**
[54] **MATRICE PREDIFFUSEE PROGRAMMABLE PAR L'UTILISATEUR COMPRENANT UNE PLURALITE DE BLOCS FONCTIONNELS, ET DISPOSITIF DE COMMANDE POUR UNE CENTRALE ELECTRIQUE**
[72] WEBER, JOHANNES, DE
[72] MOLLER, BURKHARDT, DE
[71] AREVA NP, FR
[85] 2017-11-21
[86] 2016-06-13 (PCT/EP2016/063482)
[87] (WO2016/202734)
[30] EP (15305932.4) 2015-06-16

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[21] **2,987,157**
[13] A1
[51] **Int.Cl. H02K 7/18 (2006.01) H02K 15/02 (2006.01)**
[25] EN
[54] **SUPPORT ELEMENT, IN PARTICULAR STATOR SUPPORT ELEMENT AND/OR ROTOR SUPPORT ELEMENT, SYSTEM OF SUPPORT ELEMENTS, GENERATOR SUPPORT, GENERATOR, GENERATOR SUPPORT SYSTEM, NACELLE OFA WIND TURBINE, WIND TURBINE AND METHOD FOR ASSEMBLING A GENERATOR SUPPORT SYSTEM**
[54] **ELEMENT SUPPORT, NOTAMMENT ELEMENT SUPPORT DE STATOR ET/OU ELEMENT SUPPORT DE ROTOR, SYSTEME D'ELEMENTS SUPPORTS, SUPPORT DE GENERATRICE GENERATRICE, SYSTEME DE SUPPORT DE GENERATRICE, NACELLE D'UNE EOLIENNE, EOLIENNE ET PROCEDE DE MONTAGE D'UN SYSTEME DE SUPPORT DE GENERATRICE**
[72] SARTORIUS, FLORIAN, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2017-11-24
[86] 2016-06-27 (PCT/EP2016/064874)
[87] (WO2017/001345)
[30] DE (10 2015 212 453.3) 2015-07-02

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[21] **2,987,203**
[13] A1
[51] **Int.Cl. A46B 15/00 (2006.01) G16H 40/63 (2018.01) A46B 13/00 (2006.01) A61C 17/22 (2006.01) A99Z 99/00 (2006.01)**
[25] EN
[54] **PERSONAL HYGIENE SYSTEM**
[54] **SYSTEME D'HYGIENE PERSONNELLE**
[72] FARANDA, LEO, DE
[72] VETTER, INGO, DE
[72] SCHIEBAHN, MATTHIAS, DE
[71] BRAUN GMBH, DE
[85] 2017-11-24
[86] 2016-06-30 (PCT/IB2016/053933)
[87] (WO2017/002067)
[30] EP (15174465.3) 2015-06-30

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[21] **2,987,385**
[13] A1
[51] **Int.Cl. G01B 11/26 (2006.01) G02B 23/14 (2006.01) H04B 7/00 (2006.01)**
[25] EN
[54] **ELEVATION ANGLE ESTIMATING DEVICE AND METHOD FOR USER TERMINAL PLACEMENT**
[54] **PROCEDE ET DISPOSITIF D'ESTIMATION D'ANGLE D'ELEVATION POUR LE PLACEMENT D'UN TERMINAL UTILISATEUR**
[72] NI, MELVIN S., US
[71] WORLDVU SATELLITES LIMITED, US
[85] 2017-11-27
[86] 2016-06-13 (PCT/IB2016/053480)
[87] (WO2016/199110)
[30] US (14/737,489) 2015-06-12

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[21] **2,987,408**
[13] A1
[51] **Int.Cl. G01S 13/88 (2006.01) E21B 47/08 (2012.01) E21B 47/12 (2012.01) E21B 47/017 (2012.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND APPARATUSES FOR DOWNHOLE LATERAL DETECTION USING ELECTROMAGNETIC SENSORS**
[54] **SYSTEMES, PROCEDES ET APPAREILS DE DETECTION LATERALE DE FOND DE TROU METTANT EN □UVRE DES CAPTEURS ELECTROMAGNETIQUES**
[72] ARSALAN, MUHAMMAD, SA
[72] AHMAD, TALHA J., SA
[72] NOUI-MEHIDI, MOHAMED N., SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2017-11-27
[86] 2016-06-21 (PCT/US2016/038511)
[87] (WO2016/209810)
[30] US (62/183,004) 2015-06-22

[21] **2,987,409**
[13] A1
[51] **Int.Cl. G10K 11/30 (2006.01) G01V 1/04 (2006.01) G01V 1/18 (2006.01) G10K 11/26 (2006.01)**
[25] EN
[54] **ELEMENTAL ARTIFICIAL CELL FOR ACOUSTIC LENS**
[54] **CELLULE ARTIFICIELLE ELEMENTAIRE POUR LENTILLE ACOUSTIQUE**
[72] SWETT, DWIGHT W., US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2017-11-27
[86] 2016-05-31 (PCT/US2016/035039)
[87] (WO2016/196476)
[30] US (14/727,412) 2015-06-01

[21] **2,987,507**
[13] A1
[51] **Int.Cl. G08B 7/06 (2006.01) B66B 5/02 (2006.01)**
[25] EN
[54] **SEQUENCE OF LEVELS IN BUILDINGS TO BE EVACUATED BY ELEVATOR SYSTEMS**
[54] **SEQUENCE D'ETAGES A EVACUER DANS DES IMMEUBLES POURVUS DE SYSTEMES D'ASCENSEUR**
[72] TROESCH, FLORIAN, CH
[72] FINSCHI, LUKAS, CH
[71] INVENTIO AG, CH
[85] 2017-11-28
[86] 2016-07-26 (PCT/EP2016/067817)
[87] (WO2017/021230)
[30] EP (15179304.9) 2015-07-31

[21] **2,987,678**
[13] A1
[51] **Int.Cl. G01M 1/02 (2006.01)**
[25] FR
[54] **MODULAR CALIBRATION ROTOR FOR A HORIZONTAL BALANCER**
[54] **ROTOR D'ETALONNAGE MODULAIRE POUR EQUILIBREUSE HORIZONTALE**
[72] LUINAUD, ALAIN ROLAND, FR
[72] DECOCQ, ALAIN, FR
[72] GUENGANT, CHRISTOPHE, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2017-11-29
[86] 2016-06-29 (PCT/FR2016/051622)
[87] (WO2017/006016)
[30] FR (15 56355) 2015-07-06

[21] **2,987,702**
[13] A1
[51] **Int.Cl. H03G 3/30 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR VOLUME CONTROL**
[54] **DISPOSITIF ET PROCEDE DE REGLAGE DE L'INTENSITE SONORE**
[72] SCHARRER, SEBASTIAN, DE
[72] UHLE, CHRISTIAN, DE
[72] HELLMUTH, OLIVER, DE
[72] LUVIZOTTO, ANDRE, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2017-11-29
[86] 2016-05-23 (PCT/EP2016/061542)
[87] (WO2016/193033)
[30] EP (15169998.0) 2015-05-29

[21] **2,987,841**
[13] A1
[51] **Int.Cl. G01M 1/04 (2006.01) F16F 15/32 (2006.01)**
[25] FR
[54] **TOOL FOR BALANCING A TURBINE ENGINE MODULE**
[54] **OUTILLAGE POUR L'EQUILIBRAGE D'UN MODULE DE TURBOMACHINE**
[72] LUINAUD, ALAIN ROLAND, FR
[72] DECOCQ, ALAIN, FR
[72] VIVIANDE, FRANCOIS, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2017-11-30
[86] 2016-06-21 (PCT/FR2016/051513)
[87] (WO2017/001745)
[30] FR (1556220) 2015-07-01

[21] **2,987,891**
[13] A1
[51] **Int.Cl. G03G 15/06 (2006.01)**
[25] EN
[54] **CARTRIDGE, PROCESS CARTRIDGE AND ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS**
[54] **CARTOUCHE, CARTOUCHE DE TRAITEMENT ET APPAREIL DE FORMATION D'IMAGE ELECTROPHOTOGRAPHIQUE**
[72] UNEME, TETSUSHI, JP
[72] SATO, MASAAKI, JP
[71] CANON KABUSHIKI KAISHA, JP
[85] 2017-11-30
[86] 2016-06-03 (PCT/JP2016/067298)
[87] (WO2016/195118)
[30] JP (2015-115199) 2015-06-05
[30] JP (2016-098243) 2016-05-16

[21] **2,987,916**
[13] A1
[51] **Int.Cl. G01P 3/38 (2006.01) G06T 7/246 (2017.01) A63B 69/36 (2006.01) A63B 71/06 (2006.01) G06T 7/60 (2017.01)**
[25] EN
[54] **DEVICE FOR SENSING MOVING BALL AND METHOD FOR THE SAME**
[54] **DISPOSITIF DE DETECTION D'UNE BALLE EN MOUVEMENT ET METHODE CONNEXE**
[72] JOO, SANG HYUN, KR
[72] KIM, SE HWAN, KR
[71] GOLFZON CO., LTD., KR
[85] 2017-11-30
[86] 2016-06-10 (PCT/KR2016/006189)
[87] (WO2016/200208)
[30] KR (10-2015-0083296) 2015-06-12

[21] 2,988,073
[13] A1
[51] Int.Cl. H04W 88/02 (2009.01)
[25] EN
[54] RECEIVER AND DECODING METHOD THEREOF
[54] RECEPTEUR, ET PROCEDE DE DECODAGE ASSOCIE
[72] JEONG, HONG-SIL, KR
[72] KIM, SANG-HYO, KR
[72] KIM, JONG-HWAN, KR
[72] LEE, HYUN-JAE, KR
[71] RESEARCH & BUSINESS FOUNDATION SUNGKYUNKWAN UNIVERSITY, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2017-12-01
[86] 2016-04-01 (PCT/KR2016/003372)
[87] (WO2016/208856)
[30] KR (10-2015-0088181) 2015-06-22

[21] 2,988,110
[13] A1
[51] Int.Cl. G01C 11/02 (2006.01) H04N 5/232 (2006.01)
[25] EN
[54] CAPTURING IMAGES USING CONTROLLED VIBRATION
[54] CAPTURE D'IMAGES A L'AIDE D'UNE VIBRATION COMMANDEE
[72] DYER, JONNY, US
[71] PLANET LABS, INC., US
[85] 2017-12-01
[86] 2016-06-02 (PCT/US2016/035401)
[87] (WO2017/030626)
[30] US (14/728,570) 2015-06-02

[21] 2,988,203
[13] A1
[51] Int.Cl. H01H 33/98 (2006.01) H01B 3/56 (2006.01) H01H 33/22 (2006.01)
[25] EN
[54] GAS-INSULATED ELECTRICAL APPARATUS FILLED WITH A DIELECTRIC GAS
[54] APPAREILLAGE ELECTRIQUE A ISOLATION GAZEUSE REMPLI D'UN GAZ DIELECTRIQUE
[72] BIQUEZ, FRANCOIS, FR
[72] KIEFFEL, YANNICK, FR
[72] SILVANT, SEBASTIEN, FR
[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[85] 2017-12-04
[86] 2016-06-07 (PCT/EP2016/062879)
[87] (WO2016/198390)
[30] EP (15171516.6) 2015-06-10

[21] 2,988,204
[13] A1
[51] Int.Cl. H01H 71/08 (2006.01) H02B 1/20 (2006.01)
[25] EN
[54] POWER DISTRIBUTOR
[54] DISTRIBUTEUR DE COURANT
[72] FISCHER, ERICH, DE
[72] WERNER, KLAUS, DE
[71] ELLENBERGER & POENSGEN GMBH, DE
[85] 2017-12-04
[86] 2016-05-23 (PCT/EP2016/061573)
[87] (WO2017/012741)
[30] DE (10 2015 213 744.9) 2015-07-21

[21] 2,988,207
[13] A1
[51] Int.Cl. G02B 27/01 (2006.01)
[25] EN
[54] PROJECTION ARRANGEMENT FOR A CONTACT ANALOG HEAD-UP DISPLAY (HUD)
[54] ARRANGEMENT DE PROJECTION DESTINE A UN AFFICHAGE TETE HAUTE A CONTACT ANALOGIQUE
[72] KREMERS, STEPHAN, DE
[72] ARNDT, MARTIN, DE
[72] GOSSEN, STEFAN, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2017-12-04
[86] 2016-06-10 (PCT/EP2016/063406)
[87] (WO2016/198678)
[30] EP (15171628.9) 2015-06-11

[21] 2,988,268
[13] A1
[51] Int.Cl. G01V 3/26 (2006.01) E21B 47/017 (2012.01) E21B 47/02 (2006.01) E21B 47/024 (2006.01) G01R 33/02 (2006.01)
[25] EN
[54] ELECTRICAL ISOLATION TO REDUCE MAGNETOMETER INTERFERENCE
[54] ISOLATION ELECTRIQUE PERMETTANT DE REDUIRE DES INTERFERENCES DE MAGNETOMETRE
[72] FARRAH, JOHN HARRISON, US
[72] PRAKASH, ANAND, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-12-04
[86] 2015-07-27 (PCT/US2015/042285)
[87] (WO2017/019021)

[21] 2,988,353
[13] A1
[51] Int.Cl. H02K 3/50 (2006.01) H02K 15/06 (2006.01) H02K 7/18 (2006.01)
[25] EN
[54] PRE-FORMED COIL, WINDING STRUCTURE, AND STATOR FOR A GENERATOR OF A WIND TURBINE AND METHOD FOR PRODUCING A STATOR
[54] BOBINE PREFORMEE, STRUCTURE DE BOBINAGES ET STATOR D'UN GENERATEUR D'UNE EOLIENNE AINSI QUE PROCEDE DE FABRICATION D'UN STATOR
[72] ROER, JOCHEN, DE
[72] WOLLGAM, SVEN, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2017-12-05
[86] 2016-05-26 (PCT/EP2016/061917)
[87] (WO2016/202549)
[30] DE (10 2015 211 355.8) 2015-06-19

[21] 2,988,367
[13] A1
[51] Int.Cl. G01J 5/04 (2006.01) G01J 5/02 (2006.01)
[25] EN
[54] DETECTING DEVICE
[54] DISPOSITIF DE DETECTION
[72] BARALDI, LUCA, IT
[71] TOTAL THERMAL VISION S.R.L., IT
[85] 2017-12-05
[86] 2016-06-09 (PCT/IB2016/053395)
[87] (WO2016/199057)
[30] IT (102015000023357) 2015-06-12

[21] 2,988,372
[13] A1
[51] Int.Cl. G01R 35/04 (2006.01) H02J 13/00 (2006.01)
[25] EN
[54] METHOD FOR THE DETERMINATION OF ILLEGAL CONNECTION OR TAMPERING OF METERS OF A POWER LINE
[54] PROCEDE DE DETERMINATION DE CONNEXION ILLEGALE OU D'ALTERATION DE COMPTEURS D'UNE LIGNE ELECTRIQUE
[72] IANNACCI, ROCCO, IT
[71] PROJECTS INTERNATIONAL., US
[85] 2017-12-05
[86] 2016-06-03 (PCT/IT2016/000143)
[87] (WO2016/194012)
[30] IT (102015000020845) 2015-06-05

|21| **2,988,444**
|13| A1
|51| **Int.Cl. H02G 15/103 (2006.01) H02G 15/14 (2006.01)**
|25| EN
|54| **A RIGID JOINT ASSEMBLY**
|54| **ENSEMBLE DE JOINT RIGIDE**
|72| SANDELL, HAKAN, SE
|72| TYRBERG, ANDREAS, SE
|72| LEON-GUARENA, ARMANDO, SE
|72| EKHOLM, HENRIK, SE
|71| NKT HV CABLES GMBH, CH
|85| 2017-11-30
|86| 2016-05-26 (PCT/EP2016/061898)
|87| (WO2016/193115)
|30| EP (PCT/EP2015/062262) 2015-06-02

|21| **2,988,454**
|13| A1
|51| **Int.Cl. H02H 3/00 (2006.01) H02H 7/00 (2006.01)**
|25| EN
|54| **DETERMINING A COMMUNICATION DELAY IN A COMMUNICATION NETWORK WITHIN AN ELECTRICAL POWER NETWORK**
|54| **DETERMINATION D'UN DELAI DE COMMUNICATION DANS UN RESEAU DE COMMUNICATION AU SEIN D'UN RESEAU DE DISTRIBUTION D'ENERGIE ELECTRIQUE**
|72| HA, HENGXU, GB
|72| SRI GOPALA KRISHNA MURTHI, SANKARA SUBRAMANIAN, GB
|71| GENERAL ELECTRIC TECHNOLOGY GMBH, CH
|85| 2017-12-06
|86| 2016-05-19 (PCT/EP2016/061307)
|87| (WO2016/202522)
|30| EP (15275158.2) 2015-06-19

|21| **2,988,467**
|13| A1
|51| **Int.Cl. H02K 15/06 (2006.01) H02K 3/50 (2006.01) H02K 7/18 (2006.01)**
|25| EN
|54| **METHOD FOR PRODUCING A STATOR OF A GENERATOR OF A WIND TURBINE, AND FORM-WOUND COIL, WINDING STRUCTURE AND STATOR**
|54| **PROCEDE DE FABRICATION D'UN STATOR D'UN GENERATEUR D'UNE EOLIENNE, ET BOBINE FORMEE SUR GABARIT, STRUCTURE D'ENROULEMENT ET STATOR**
|72| HOLSCHER, HOLGER, DE
|72| MOHLMANN, GERALD, DE
|72| PICHOL, HEINO, DE
|72| ROER, JOCHEN, DE
|71| WOBBEN PROPERTIES GMBH, DE
|85| 2017-12-06
|86| 2016-05-26 (PCT/EP2016/061916)
|87| (WO2016/202548)
|30| DE (102015211356.6) 2015-06-19

|21| **2,988,476**
|13| A1
|51| **Int.Cl. H04N 21/84 (2011.01) H04N 19/46 (2014.01)**
|25| EN
|54| **IMAGE DATA ENCAPSULATION**
|54| **ENCAPSULATION DE DONNEES D'IMAGE**
|72| MAZE, FREDERIC, FR
|72| DENOUAL, FRANCK, FR
|72| OUEDRAOGO, NAEL, FR
|72| LE FEUVRE, JEAN, FR
|72| CONCOLATO, CYRIL, FR
|71| CANON KABUSHIKI KAISHA, JP
|85| 2017-12-06
|86| 2016-06-08 (PCT/EP2016/063035)
|87| (WO2016/202664)
|30| GB (1510608.1) 2015-06-16

|21| **2,988,488**
|13| A1
|51| **Int.Cl. H02K 11/25 (2016.01) H02K 7/18 (2006.01)**
|25| EN
|54| **THERMAL FUSE PROTECTION OF A FORM COIL GENERATOR OF A WIND POWER PLANT**
|54| **FUSIBLE THERMIQUE POUR GENERATEUR A BOBINE PREFORMEE D'UNE EOLIENNE**
|72| ROER, JOCHEN, DE
|71| WOBBEN PROPERTIES GMBH, DE
|85| 2017-12-06
|86| 2016-06-20 (PCT/EP2016/064176)
|87| (WO2016/203042)
|30| DE (10 2015 211 390.6) 2015-06-19

|21| **2,988,652**
|13| A1
|51| **Int.Cl. E04C 1/41 (2006.01) E04C 1/00 (2006.01)**
|25| EN
|54| **CONSTRUCTION BLOCK**
|54| **BLOC DE CONSTRUCTION**
|72| DEVITO, CIRO, CA
|71| DEVITO, CIRO, CA
|85| 2017-12-07
|86| 2016-06-22 (PCT/CA2016/000174)
|87| (WO2016/205922)
|30| GB (1510996.0) 2015-06-23

|21| **2,988,894**
|13| A1
|51| **Int.Cl. H05B 37/02 (2006.01)**
|25| EN
|54| **A VISUAL TRACKING SYSTEM AND METHOD**
|54| **SYSTEME ET PROCEDE DE SUIVI VISUEL**
|72| FEENEY, LIAM, IE
|71| FEENEY, LIAM, IE
|85| 2017-12-08
|86| 2016-06-09 (PCT/EP2016/063225)
|87| (WO2016/198556)
|30| IE (S20150171) 2015-06-09

[21] **2,989,165**
[13] A1
[51] **Int.Cl. H02J 50/90 (2016.01) H02J 50/10 (2016.01) H02J 50/12 (2016.01)**
[25] EN
[54] **WIRELESS POWER SYSTEMS AND METHODS SUITABLE FOR CHARGING WEARABLE ELECTRONIC DEVICES**
[54] **SYSTEMES ET PROCEDES D'ALIMENTATION SANS FIL APPROPRIES POUR CHARGER DES DISPOSITIFS ELECTRONIQUES VESTIMENTAIRES**
[72] BLUM, RONALD D., US
[72] GUPTA, AMITAVA, US
[72] KOKONASKI, WILLIAM, US
[72] BAUER, STEFAN, CH
[72] FEHR, JEAN-NOEL, CH
[71] POGOTEC, INC., US
[85] 2017-12-11
[86] 2016-06-15 (PCT/US2016/037635)
[87] (WO2016/205373)
[30] US (62/175,911) 2015-06-15
[30] US (62/180,199) 2015-06-16
[30] US (62/186,276) 2015-06-29
[30] US (62/186,341) 2015-06-29
[30] US (62/189,101) 2015-07-06
[30] US (62/189,916) 2015-07-08
[30] US (62/192,457) 2015-07-14
[30] US (62/194,409) 2015-07-20
[30] US (62/197,218) 2015-07-27
[30] US (62/203,095) 2015-08-10
[30] US (62/207,810) 2015-08-20
[30] US (62/217,272) 2015-09-11
[30] US (62/219,596) 2015-09-16
[30] US (62/242,013) 2015-10-15
[30] US (62/247,883) 2015-10-29
[30] US (62/249,051) 2015-10-30
[30] US (62/252,792) 2015-11-09
[30] US (62/255,624) 2015-11-16
[30] US (14/969,455) 2015-12-15
[30] US (62/279,521) 2016-01-15
[30] US (62/287,361) 2016-01-26
[30] US (62/293,975) 2016-02-11
[30] US (15/061,869) 2016-03-04
[30] US (62/315,443) 2016-03-30
[30] US (62/341,952) 2016-05-26

[21] **2,989,250**
[13] A1
[51] **Int.Cl. H01L 41/04 (2006.01)**
[25] EN
[54] **DEVICE FOR CONTROLLING A PIEZOELECTRIC ACTUATOR**
[54] **DISPOSITIF DE COMMANDE D'ACTIONNEUR PIEZOELECTRIQUE**
[72] OUATTARA, ISSA, FR
[72] GACH, JEAN-LUC, FR
[72] AMRAM, PHILIPPE, FR
[71] UNIVERSITE D'AIX-MARSEILLE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2017-12-12
[86] 2016-06-10 (PCT/EP2016/063355)
[87] (WO2016/198639)
[30] FR (1555381) 2015-06-12

[21] **2,989,267**
[13] A1
[51] **Int.Cl. H02K 7/18 (2006.01) H02K 15/02 (2006.01)**
[25] EN
[54] **SUPPORT ELEMENT, IN PARTICULAR STATOR SUPPORT ELEMENT AND/OR ROTOR SUPPORT ELEMENT, SYSTEM OF SUPPORT ELEMENTS, GENERATOR SUPPORT, GENERATOR, GENERATOR SUPPORTING SYSTEM, NACELLE OF A WIND TURBINE, WIND TURBINE AND METHOD FOR ASSEMBLING A GENERATOR SUPPORTING SYSTEM**
[54] **ELEMENT SUPPORT, NOTAMMENT ELEMENT SUPPORT DE STATOR ET/OU ELEMENT SUPPORT DE ROTOR, SYSTEME D'ELEMENTS SUPPORTS, SUPPORT DE GENERATRICE GENERATRICE, SYSTEME DE SUPPORT DE GENERATRICE, NACELLE D'UNE EOLIENNE, EOLIEN NE ET PROCEDE DE MONTAGE D'UN SYSTEME DE SUPPORT DE GENERATRICE**
[72] SARTORIUS, FLORIAN, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2017-12-12
[86] 2016-06-27 (PCT/EP2016/064881)
[87] (WO2017/001349)
[30] DE (10 2015 212 452.5) 2015-07-02

[21] **2,989,383**
[13] A1
[51] **Int.Cl. C40B 50/02 (2006.01) G06F 19/16 (2011.01) C12N 15/00 (2006.01) C12P 21/00 (2006.01) C40B 30/02 (2006.01)**
[25] EN
[54] **METHOD OF COMPUTATIONAL PROTEIN DESIGN**
[54] **PROCEDE DE CONCEPTION ASSISTEE PAR ORDINATEUR DE PROTEINES**
[72] FLEISHMAN, SAREL, IL
[72] LAPIDOTH, GIDEON, IL
[72] PSZOLLA, MARIA GABRIELE, IL
[72] NORN, CHRISTOFFER, IL
[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL
[85] 2017-12-13
[86] 2015-07-06 (PCT/IL2015/050696)
[87] (WO2016/005969)
[30] US (62/021,309) 2014-07-07

[21] **2,989,811**
[13] A1
[51] **Int.Cl. H01M 4/62 (2006.01) H01G 9/035 (2006.01) H01G 9/042 (2006.01) H01M 4/48 (2010.01) H01M 4/50 (2010.01) H01M 4/86 (2006.01)**
[25] EN
[54] **DIATOMACEOUS ENERGY STORAGE DEVICES**
[54] **DISPOSITIFS DE STOCKAGE D'ENERGIE DE DIATOMEES**
[72] LOCKETT, VERA N., US
[72] GUSTAFSON, JOHN G., US
[72] RAY, WILLIAM J., US
[72] SALAH, YASSER, US
[71] PRINTED ENERGY PTY LTD, AU
[85] 2017-12-15
[86] 2016-06-13 (PCT/US2016/037285)
[87] (WO2016/209655)
[30] US (14/745,709) 2015-06-22

[21] **2,989,944**
[13] A1
[51] **Int.Cl. E21D 21/00 (2006.01)**
[25] EN
[54] **RADIALLY EXPANSIBLE ROCK BOLT**
[54] **BOULON D'ANCRAGE RADIALEMENT EXPANSIBLE**
[72] SHEPPARD, JAMES WILLIAM, ZA
[72] CAWOOD, MARTIN, ZA
[72] PASTORINO, PAOLO ETTORE, ZA
[71] NCM INNOVATIONS (PTY) LTD, ZA
[85] 2017-12-15
[86] 2015-09-16 (PCT/ZA2015/000060)
[87] (WO2017/015677)
[30] IN (2204/DEL/2015) 2015-07-21

[21] **2,989,953**
[13] A1
[51] **Int.Cl. G09B 23/28 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR DRUG ADMINISTRATION AND MIXING, AND TRAINING OF PROPER TECHNIQUES THEREFOR**
[54] **DISPOSITIFS ET PROCEDES D'ADMINISTRATION ET DE MELANGE DE MEDICAMENTS, ET FORMATION AUX TECHNIQUES APPROPRIEES ASSOCIEE**
[72] SCRIMGEOUR, IAN, GB
[72] MARTIN, SCOTT, GB
[72] MCLUSKY, JAMES, GB
[72] GLENCROSS, JAMES, GB
[72] HUTTON, BLAIR, GB
[72] FOLEY, NICK, GB
[72] KRULEVITCH, PETER, US
[72] BURON VIDAL, JOSE ANTONIO, PT
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2017-12-18
[86] 2016-06-20 (PCT/EP2016/064227)
[87] (WO2016/203058)
[30] US (62/182,426) 2015-06-19
[30] US (PCT/US2015/036969) 2015-06-22

[21] **2,989,954**
[13] A1
[51] **Int.Cl. G09B 23/28 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR DRUG ADMINISTRATION AND MIXING, AND TRAINING OF PROPER TECHNIQUES THEREFOR**
[54] **DISPOSITIFS ET PROCEDES D'ADMINISTRATION ET DE MELANGE DE MEDICAMENTS, ET FORMATION AUX TECHNIQUES APPROPRIEES**
[72] SCRIMGEOUR, IAN, GB
[72] MARTIN, SCOTT, GB
[72] MCLUSKY, JAMES, GB
[72] GLENCROSS, JAMES, GB
[72] HUTTON, BLAIR, GB
[72] FOLEY, NICK, GB
[72] KRULEVITCH, PETER, US
[72] BURON VIDAL, JOSE ANTONIO, PT
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2017-12-18
[86] 2016-06-20 (PCT/EP2016/064228)
[87] (WO2016/203059)
[30] US (62/182,426) 2015-06-19
[30] US (PCT/US2015/036969) 2015-06-22

[21] **2,989,967**
[13] A1
[51] **Int.Cl. H01R 13/631 (2006.01) H01R 4/30 (2006.01) H01R 4/56 (2006.01) H01R 13/24 (2006.01) H01R 35/02 (2006.01) H02M 7/00 (2006.01)**
[25] EN
[54] **POWER CONVERTER SUB-MODULE**
[54] **SOUS-MODULE DE CONVERTISSEUR DE PUISSANCE**
[72] HABEB, RAWAA, GB
[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[85] 2017-12-18
[86] 2016-06-22 (PCT/EP2016/064456)
[87] (WO2016/207238)
[30] GB (1511223.8) 2015-06-25

[21] **2,989,974**
[13] A1
[51] **Int.Cl. B01F 7/22 (2006.01) B01F 7/20 (2006.01)**
[25] EN
[54] **MIXING DEVICE**
[54] **DISPOSITIF MELANGEUR**
[72] MERCHANT, COURTENAY, GB
[72] ALLINSON-JAMES, PHILIP, GB
[71] MERCHANT, COURTENAY, GB
[71] ALLINSON-JAMES, PHILIP, GB
[85] 2017-12-18
[86] 2016-03-07 (PCT/GB2016/050627)
[87] (WO2016/156786)
[30] GB (1510811.1) 2015-06-19

[21] **2,990,002**
[13] A1
[51] **Int.Cl. E21B 21/10 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **CIRCULATION VALVE**
[54] **SOUPAPE DE CIRCULATION**
[72] DEBOER, LUC, US
[71] DRLG TOOLS, LLC, US
[85] 2017-12-18
[86] 2016-06-17 (PCT/US2016/038200)
[87] (WO2016/205725)
[30] US (62/182,282) 2015-06-19

[21] **2,990,003**
[13] A1
[51] **Int.Cl. H05H 6/00 (2006.01)**
[25] EN
[54] **PRODUCTION ASSEMBLIES AND REMOVABLE TARGET ASSEMBLIES FOR ISOTOPE PRODUCTION**
[54] **ENSEMBLES DE PRODUCTION ET ENSEMBLES CIBLES AMOVIBLES POUR PRODUCTION D'ISOTOPES**
[72] PARNASTE, MARTIN, SE
[72] ERIKSSON, TOMAS, SE
[72] LARSSON, JOHAN, SE
[72] BONDESON, MAGNUS, SE
[71] GENERAL ELECTRIC COMPANY, US
[85] 2017-12-18
[86] 2016-05-11 (PCT/US2016/031799)
[87] (WO2017/003563)
[30] US (14/754,878) 2015-06-30

[21] **2,990,016**
[13] A1
[51] **Int.Cl. G05D 1/00 (2006.01) G06Q 50/30 (2012.01) G05D 1/02 (2006.01)**
[25] EN
[54] **DETERMINING PICKUP AND DESTINATION LOCATIONS FOR AUTONOMOUS VEHICLES**
[54] **DETERMINATION D'EMPLACEMENTS DE RAMASSAGE ET DE DESTINATION POUR DES VEHICULES AUTONOMES**
[72] COLIJN, PETER, US
[72] HERBACH, JOSHUA SETH, US
[72] MCNAUGHTON, MATTHEW PAUL, US
[71] WAYMO LLC, US
[85] 2017-12-18
[86] 2016-06-06 (PCT/US2016/035977)
[87] (WO2016/209595)
[30] US (14/745,799) 2015-06-22

[21] **2,990,047**
[13] A1
[51] **Int.Cl. H02J 50/30 (2016.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTACTLESS ENERGY TRANSFER TO A MOVING PLATFORM**
[54] **SYSTEME ET PROCEDE DE TRANSFERT D'ENERGIE SANS CONTACT A UNE PLATE-FORME MOBILE**
[72] JUNGWIRTH, DOUGLAS R., US
[71] THE BOEING COMPANY, US
[85] 2017-12-18
[86] 2016-08-08 (PCT/US2016/045969)
[87] (WO2017/039961)
[30] US (14/840,384) 2015-08-31

[21] **2,990,056**
[13] A1
[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **OPTICAL FIBER CABLE AND METHOD OF FORMING AN OPTICAL FIBER CABLE**
[54] **CABLE A FIBRES OPTIQUES ET PROCEDE DE FORMATION D'UN CABLE A FIBRES OPTIQUES**
[72] GALLO, EMANUELA, DE
[72] MERBACH, GERHARD, DE
[72] STOCKLEIN, WALDEMAR, DE
[71] CCS TECHNOLOGY, INC., US
[85] 2017-12-18
[86] 2016-06-15 (PCT/US2016/037553)
[87] (WO2016/205316)
[30] EP (15172958.9) 2015-06-19

[21] **2,990,066**
[13] A1
[51] **Int.Cl. G09B 23/28 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR DRUG ADMINISTRATION AND MIXING, AND TRAINING OF PROPER TECHNIQUES THEREFOR**
[54] **DISPOSITIFS ET PROCEDES D'ADMINISTRATION ET DE MELANGE DE MEDICAMENTS, ET D'APPRENTISSAGE DE TECHNIQUES APPROPRIEES A CET EFFET**
[72] KRULEVITCH, PETER A., US
[72] SCRIMGEOUR, IAN, GB
[72] MARTIN, SCOTT, GB
[72] MCLUSKY, JAMES, GB
[72] GLENCROSS, JAMES, GB
[72] HUTTON, BLAIR, GB
[72] FOLEY, NICK, GB
[72] BURON VIDAL, JOSE ANTONIO, PT
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2017-12-18
[86] 2015-06-22 (PCT/US2015/036969)
[87] (WO2016/204795)
[30] US (62/182,426) 2015-06-19

[21] **2,990,069**
[13] A1
[51] **Int.Cl. B41F 17/22 (2006.01) B41N 10/00 (2006.01)**
[25] EN
[54] **DEVICE FOR DECORATING CONTAINERS**
[54] **DISPOSITIF SERVANT A DECORER DES RECIPIENTS**
[72] NOLL, WERNER, DE
[72] LE, JIAMIN, DE
[71] BALL BEVERAGE PACKAGING EUROPE LIMITED, GB
[85] 2017-12-19
[86] 2016-06-03 (PCT/EP2016/062726)
[87] (WO2016/206955)
[30] DE (102015211876.2) 2015-06-25

[21] **2,990,125**
[13] A1
[51] **Int.Cl. H02J 9/06 (2006.01) H02J 3/12 (2006.01)**
[25] EN
[54] **UPS WITH SOURCE IMPEDANCE COMPENSATION**
[54] **SYSTEME D'ALIMENTATION SANS COUPURE A COMPENSATION D'IMPEDANCE DE SOURCE**
[72] PULIKANTI, SRIDHAR, NZ
[72] WALTON, SIMON JAMES, NZ
[72] TURNER, ROBERT, NZ
[72] ELLIOT, NICK, NZ
[71] ABB SCHWEIZ AG, CH
[85] 2017-12-19
[86] 2016-06-29 (PCT/EP2016/065174)
[87] (WO2017/001498)
[30] EP (15174241.8) 2015-06-29

[21] **2,990,140**
[13] A1
[51] **Int.Cl. A61K 31/202 (2006.01) A23L 33/12 (2016.01) A61P 1/16 (2006.01)**
[25] EN
[54] **COMPOSITION FOR TREATMENT OF NAFLD**
[54] **COMPOSITION POUR LE TRAITEMENT DE LA NAFLD**
[72] ROSSELAND, CAROLA, NO
[71] PRONOVA BIOPHARMA NORGE AS, NO
[85] 2017-12-19
[86] 2016-06-22 (PCT/IB2016/001195)
[87] (WO2016/207734)
[30] NO (20150838) 2015-06-26

[21] **2,990,181**
[13] A1
[51] **Int.Cl. A61K 31/675 (2006.01) A61K 47/02 (2006.01) A61P 25/08 (2006.01)**
[25] FR
[54] **EFFERVESCENT FORMULATION BASED ON PYRIDOXAL-5-PHOSPHATE**
[54] **FORMULATION EFFERVESCENTE A BASE DE PYRIDOXAL-5-PHOSPHATE**
[72] AUVIN, STEPHANE, FR
[72] STORME, THOMAS, FR
[72] VACONSIN, PASCAL, FR
[72] BOUDY, VINCENT, FR
[71] ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS, FR
[85] 2017-12-19
[86] 2016-06-29 (PCT/IB2016/053885)
[87] (WO2017/002034)
[30] FR (1556142) 2015-06-30

[21] **2,990,195**
[13] A1
[51] **Int.Cl. G02B 13/00 (2006.01) G01M 11/00 (2006.01) G02B 27/10 (2006.01) G02B 27/14 (2006.01) G02B 27/62 (2006.01)**
[25] EN
[54] **SUBMICRON WAFER ALIGNMENT**
[54] **ALIGNEMENT SUBMICRONIQUE DE PLAQUETTES**
[72] GEORGIEV, TODOR GEORGIEV, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-12-19
[86] 2016-06-23 (PCT/US2016/039102)
[87] (WO2017/023442)
[30] US (62/202,120) 2015-08-06
[30] US (15/188,635) 2016-06-21

[21] **2,990,318**
[13] A1
[51] **Int.Cl. C08L 39/02 (2006.01) C08F 2/44 (2006.01) C08L 33/02 (2006.01) C08L 33/26 (2006.01) D21H 17/33 (2006.01) D21H 17/54 (2006.01) D21H 21/10 (2006.01)**
[25] EN
[54] **A METHOD FOR PRODUCING A MATERIAL WITH A NETWORK OF AT LEAST TWO POLYMERS, A PRODUCT THEREOF AND USE OF THE PRODUCT**
[54] **PROCEDE DE PRODUCTION D'UN MATERIAU AVEC UN RESEAU D'AU MOINS DEUX POLYMERES, UN PRODUIT DE CELUI-CI ET L'UTILISATION DU PRODUIT**
[72] CARCELLER, ROSA, FI
[72] HIETANIEMI, MATTI, FI
[72] LEGRAND, SACHA, FI
[72] ZABIHIAN, MARI, FI
[71] KEMIRA OYJ, FI
[85] 2017-12-20
[86] 2016-05-11 (PCT/FI2016/050310)
[87] (WO2016/207480)
[30] FI (20155500) 2015-06-25

[21] **2,990,323**
[13] A1
[51] **Int.Cl. F16B 2/08 (2006.01) A61G 15/10 (2006.01) A61G 15/14 (2006.01) B62J 11/00 (2006.01) F16B 21/02 (2006.01)**
[25] EN
[54] **ATTACHMENT DEVICE**
[54] **DISPOSITIF DE FIXATION**
[72] DAVIES, PHILLIP, GB
[72] WRIGHT, LARAINE, GB
[71] TECHDENT LIMITED, GB
[85] 2017-12-20
[86] 2016-06-23 (PCT/GB2016/051870)
[87] (WO2016/207629)
[30] GB (1511061.2) 2015-06-23

[21] **2,990,333**
[13] A1
[51] **Int.Cl. E21B 21/08 (2006.01) E21B 21/00 (2006.01) E21B 33/035 (2006.01) E21B 44/00 (2006.01)**
[25] EN
[54] **METHOD OF OPERATING A DRILLING SYSTEM**
[54] **PROCEDE DE COMMANDE D'UN SYSTEME DE FORAGE**
[72] PICCOLO, BRIAN, US
[72] LEUCHTENBERG, CHRISTIAN, SG
[72] PINKSTONE, HENRY, AE
[71] MANAGED PRESSURE OPERATIONS PTE. LTD., SG
[85] 2017-12-20
[86] 2016-08-23 (PCT/GB2016/052614)
[87] (WO2017/037422)
[30] GB (1515284.6) 2015-08-28
[30] GB (1517872.6) 2015-10-09

[21] **2,990,340**
[13] A1
[51] **Int.Cl. C09J 7/24 (2018.01) C09J 7/38 (2018.01)**
[25] FR
[54] **PRESSURE-SENSITIVE ADHESIVE FILM AND THE USE THEREOF FOR PROTECTING SURFACES**
[54] **FILM ADHESIF SENSIBLE A LA PRESSION ET SON UTILISATION POUR LA PROTECTION DE SURFACES**
[72] MASSON, JEAN-LOUP, FR
[72] DE FILIPPIS, FARAH, FR
[72] SCHAPMAN, FANNY, FR
[72] BENARD, JULIEN, FR
[71] NOVACEL, FR
[85] 2017-12-20
[86] 2016-06-23 (PCT/FR2016/051534)
[87] (WO2016/207552)
[30] FR (1555812) 2015-06-24

[21] **2,990,426**
[13] A1
[51] **Int.Cl. G02B 13/00 (2006.01) G01M 11/02 (2006.01) G02B 27/32 (2006.01) G02B 27/62 (2006.01)**
[25] EN
[54] **SUBMICRON WAFER ALIGNMENT**
[54] **ALIGNEMENT SUBMICRONIQUE DE PLAQUETTES**
[72] GEORGIEV, TODOR GEORGIEV, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-12-20
[86] 2016-06-23 (PCT/US2016/039096)
[87] (WO2017/023441)
[30] US (62/202,120) 2015-08-06
[30] US (15/188,717) 2016-06-21

[21] **2,990,470**
[13] A1
[51] **Int.Cl. H01L 21/60 (2006.01) H01L 23/13 (2006.01) H01L 23/498 (2006.01) H01L 23/538 (2006.01) H01L 21/56 (2006.01)**
[25] EN
[54] **PACKAGE-ON-PACKAGE (POP) STRUCTURE INCLUDING MULTIPLE DIES**
[54] **STRUCTURE BOITIER SUR BOITIER (POP) COMPRENANT PLUSIEURS PUCES**
[72] WE, HONG BOK, US
[72] LEE, JAE SIK, US
[72] KIM, DONG WOOK, US
[72] GU, SHIQUN, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-12-20
[86] 2016-07-28 (PCT/US2016/044487)
[87] (WO2017/019866)
[30] US (14/812,476) 2015-07-29

[21] **2,990,550**
[13] A1
[51] **Int.Cl. B60N 2/28 (2006.01) B60N 2/015 (2006.01)**
[25] EN
[54] **FIXING DEVICE FOR FIXING OBJECTS IN A VEHICLE**
[54] **DISPOSITIF DE FIXATION SERVANT A FIXER DES OBJETS DANS UN VEHICULE**
[72] LAGUNAR HERRANZ, JOSE, ES
[71] LAGUNAR HERRANZ, JOSE, ES
[85] 2017-12-21
[86] 2016-06-24 (PCT/ES2016/070478)
[87] (WO2016/207469)
[30] ES (PCT/ES2015/070489) 2015-06-24

[21] **2,990,560**
[13] A1
[51] **Int.Cl. B01D 17/02 (2006.01)**
[25] EN
[54] **REVERSE FLOW SETTLER APPARATUS**
[54] **APPAREIL DE DECANTATION A ECOULEMENT INVERSE**
[72] LERNER, ODED, IL
[72] LARMOUR-SHIP, KEREN, IL
[72] VANCAS, MARK, US
[71] TENOVA ADVANCED TECHNOLOGIES LTD., IL
[85] 2017-12-21
[86] 2015-07-02 (PCT/IB2015/055002)
[87] (WO2016/001872)
[30] GB (1411947.3) 2014-07-03

[21] **2,990,591**
[13] A1
[51] **Int.Cl. G02F 1/13357 (2006.01)**
[25] EN
[54] **2D/3D MODE-SWITCHABLE ELECTRONIC DISPLAY WITH DUAL LAYER BACKLIGHT**
[54] **AFFICHAGE ELECTRONIQUE COMMUTABLE ENTRE MODES 2D/3D A RETROECLAIRAGE A DEUX COUCHES**
[72] FATTAL, DAVID A., US
[71] LEIA INC., US
[85] 2017-12-21
[86] 2015-07-23 (PCT/US2015/041855)
[87] (WO2016/160048)
[30] US (62/140,306) 2015-03-30

[21] **2,990,612**
[13] A1
[51] **Int.Cl. H02M 7/493 (2007.01) H02J 7/00 (2006.01) H02M 1/00 (2007.10)**
[25] EN
[54] **PARALLEL-STACKED MINI INVERTER FOR CONTINUOUS HIGH EFFICIENCY LOW-POWER OUTPUT DURING MAIN INVERTER SLEEP MODE**
[54] **MINI-ONDULEUR EMPILE EN PARALLELE POUR SORTIE DE FAIBLE PUISSANCE A HAUT RENDEMENT CONTINUE PENDANT UN MODE SOMMEIL D'UN ONDULEUR PRINCIPAL**
[72] KNIGHT, STEVEN ROBERT, US
[71] PARKER-HANNIFIN CORPORATION, US
[85] 2017-12-21
[86] 2016-06-20 (PCT/US2016/038295)
[87] (WO2017/003732)
[30] US (62/187,953) 2015-07-02

[21] **2,990,833**
[13] A1
[51] **Int.Cl. G06K 7/01 (2006.01)**
[25] EN
[54] **DIP CARD READER**
[54] **LECTEUR DE CARTE A IMMERSION**
[72] ROTH, DOUG, US
[72] PETTITT, JAMES E., US
[72] RUSZIN, ANDREW, US
[71] DIEBOLD NIXDORF, INCORPORATED, US
[85] 2017-12-22
[86] 2016-07-07 (PCT/US2016/041336)
[87] (WO2017/007935)
[30] US (14/793,120) 2015-07-07

[21] **2,990,849**
[13] A1
[51] **Int.Cl. H04L 9/32 (2006.01)**
[25] EN
[54] **NUMERIC PATTERN NORMALIZATION FOR CRYPTOGRAPHIC SIGNATURES**
[54] **NORMALISATION DE MOTIF NUMERIQUE DESTINEE A DES SIGNATURES CRYPTOGRAPHIQUES**
[72] WOODWORTH, JOHN R., US
[72] BALLEW, DEAN, US
[72] RAGHAVAN, SHASHWATH BINDINGANAVELI, US
[71] CENTURYLINK INTELLECTUAL PROPERTY LLC, US
[85] 2017-12-22
[86] 2016-05-17 (PCT/US2016/032874)
[87] (WO2017/023396)
[30] US (62/185,221) 2015-06-26
[30] US (14/984,105) 2015-12-30

[21] 2,990,867
[13] A1
[51] **Int.Cl. C09K 8/52 (2006.01) C08G 59/18 (2006.01) C09D 5/00 (2006.01) C09D 163/00 (2006.01) C09K 8/524 (2006.01)**
[25] EN
[54] **PERMEABLE LINER**
[54] **DOUBLURE PERMEABLE**
[72] AGUIRRE VARGAS, FABIO, US
[72] KLIER, JOHN, US
[72] KOONCE, WILLIAM A., US
[72] MEDINA, JUAN CARLOS, US
[72] WILMOT, NATHAN, US
[72] AOU, KAORU, US
[72] GOYAL, SACHIT, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2017-12-22
[86] 2016-06-21 (PCT/US2016/038481)
[87] (WO2017/003755)
[30] US (62/186,671) 2015-06-30
[30] US (62/186,669) 2015-06-30
[30] US (62/186,645) 2015-06-30

[21] 2,990,871
[13] A1
[51] **Int.Cl. C09K 8/80 (2006.01)**
[25] EN
[54] **PROPPANT COATING FOR HEAVY METAL RECOVERY**
[54] **REVETEMENT D'AGENT DE SOUTENEMENT POUR LA RECUPERATION DE METAUX LOURDS**
[72] AOU, KAORU, US
[72] MEDINA, JUAN CARLOS, US
[72] GOLTZ, H. ROBERT, US
[72] GOYAL, SACHIT, US
[72] RAGHURAMAN, ARJUN, US
[72] AGUIRRE VARGAS, FABIO, US
[72] WATKINS, AVERY L., US
[72] REUSCHLE, DAVID A., US
[72] JOHNSON, ANN F., US
[72] SRIVASTAVA, YASMIN N., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2017-12-22
[86] 2016-06-27 (PCT/US2016/039492)
[87] (WO2017/003904)
[30] US (62/186,645) 2015-06-30
[30] US (62/186,669) 2015-06-30
[30] US (62/186,671) 2015-06-30

[21] 2,990,876
[13] A1
[51] **Int.Cl. A22C 25/16 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR THE REMOVAL OF PINBONES FROM A FISH FILLET**
[54] **DISPOSITIF ET PROCEDE POUR ENLEVER LES ARETES D'UN FILET DE POISSON**
[72] GOTTSCHALK, ROMAN, DE
[72] RUSKO, TORSTEN, DE
[71] NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG, DE
[85] 2017-12-27
[86] 2016-05-02 (PCT/EP2016/059777)
[87] (WO2017/008931)
[30] DE (10 2015 111 448.8) 2015-07-15

[21] 2,990,878
[13] A1
[51] **Int.Cl. B01D 53/22 (2006.01) B01D 63/02 (2006.01) B01D 63/04 (2006.01) B01D 63/10 (2006.01)**
[25] EN
[54] **GAS SEPARATION MEMBRANE MODULE FOR REACTIVE GAS SERVICE**
[54] **MODULE DE MEMBRANE DE SEPARATION DE GAZ POUR SERVICE DE GAZ REACTIF**
[72] KULKARNI, SUDHIR S., US
[72] BEERS, KARL S., US
[72] BLLAGUET, JEAN-PIERRE R., FR
[72] VAIDYA, MILIND M., US
[72] DUVAL, SEBASTIEN A., FR
[71] AIR LIQUIDE ADVANCED TECHNOLOGIES U.S. LLC, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2017-12-22
[86] 2016-06-28 (PCT/US2016/039799)
[87] (WO2017/004028)
[30] US (14/788,758) 2015-06-30

[21] 2,990,879
[13] A1
[51] **Int.Cl. H01B 17/28 (2006.01) H01B 19/00 (2006.01) H01G 13/02 (2006.01)**
[25] EN
[54] **METHOD OF MANUFACTURING A CAPACITIVE ELECTRICAL DEVICE**
[54] **PROCEDE DE FABRICATION D'UN DISPOSITIF ELECTRIQUE CAPACITIF**
[72] SJOBERG, PETER, SE
[72] HEDLUND, ROGER, SE
[72] GRANBOM, YLVA, SE
[71] ABB SCHWEIZ AG, CH
[85] 2017-12-27
[86] 2016-06-22 (PCT/EP2016/064401)
[87] (WO2017/001258)
[30] EP (15174559.3) 2015-06-30

[21] 2,990,881
[13] A1
[51] **Int.Cl. C12N 15/67 (2006.01)**
[25] EN
[54] **UTRS INCREASING THE TRANSLATION EFFICIENCY OF RNA MOLECULES**
[54] **REGIONS NON TRADUITES (UTR) AUGMENTANT L'EFFICACITE DE TRADUCTION DES MOLECULES D'ARN**
[72] RUDOLPH, CARSTEN, DE
[72] ANEJA, MANISH KUMAR, DE
[72] FERIZI, MEHRIJE, DE
[72] GEIGER, JOHANNES, DE
[71] ETHRIS GMBH, DE
[85] 2017-12-27
[86] 2016-06-30 (PCT/EP2016/065297)
[87] (WO2017/001554)
[30] EP (15174683.1) 2015-06-30

[21] **2,990,883**
[13] A1
[51] **Int.Cl. C12N 15/11 (2006.01) A61K 38/16 (2006.01) A61P 1/16 (2006.01) A61P 3/10 (2006.01) A61P 9/00 (2006.01) A61P 11/00 (2006.01) A61P 25/00 (2006.01) A61P 27/00 (2006.01)**
[25] EN
[54] **ATP-BINDING CASSETTE FAMILY CODING POLYRIBONUCLEOTIDES AND FORMULATIONS THEREOF**
[54] **POLYRIBONUCLEOTIDES CODANT POUR UNE FAMILLE DE CASSETTES DE LIAISON A L'ATP ET FORMULATIONS ASSOCIEES**
[72] PLANK, CHRISTIAN, DE
[72] RUDOLPH, CARSTEN, DE
[72] ANEJA, MANISH KUMAR, DE
[72] WEISS, LUDWIG, DE
[72] FERIZI, MEHRIJE, DE
[72] GEIGER, JOHANNES, DE
[71] ETHRIS GMBH, DE
[85] 2017-12-27
[86] 2016-06-30 (PCT/EP2016/065321)
[87] (WO2017/001570)
[30] EP (15174677.3) 2015-06-30

[21] **2,990,885**
[13] A1
[51] **Int.Cl. C07K 14/705 (2006.01) A61K 38/17 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **BTLA FUSION PROTEIN AGONISTS AND USES THEREOF**
[54] **PROTEINE DE FUSION AGONISTES DE BTLA ET LEURS UTILISATIONS**
[72] WARE, CARL F., US
[72] SEDY, JOHN, US
[72] AIVAZIAN, TIGRAN, US
[72] MILLER, BRIAN, US
[72] CRELLIN, NATASHA K., US
[71] SANFORD-BURNHAM MEDICAL RESEARCH INSTITUTE, US
[71] PFIZER INC., US
[85] 2017-12-22
[86] 2016-06-29 (PCT/US2016/040108)
[87] (WO2017/004213)
[30] US (62/187,105) 2015-06-30

[21] **2,990,886**
[13] A1
[51] **Int.Cl. A61M 15/00 (2006.01) A61B 90/98 (2016.01)**
[25] EN
[54] **INHALER ADAPTED TO READ INFORMATION STORED IN DATA STORAGE MEANS OF A CONTAINER**
[54] **INHALATEUR ADAPTE POUR LIRE DES INFORMATIONS STOCKEES DANS UN MOYEN DE STOCKAGE DE DONNEES D'UN CONTENANT**
[72] ZIEGLER, DOMINIK, CH
[72] MULLER, MANFRED, CH
[72] PAVKOV, RICHARD, US
[71] NOVARTIS AG, CH
[85] 2017-12-27
[86] 2016-06-30 (PCT/EP2016/065349)
[87] (WO2017/005605)
[30] EP (15175216.9) 2015-07-03

[21] **2,990,887**
[13] A1
[51] **Int.Cl. A47B 96/06 (2006.01) F16B 12/20 (2006.01)**
[25] EN
[54] **JOINING DEVICE, PARTICULARLY FOR JOINING A SHELF TO A WALL OF A PIECE OF FURNITURE**
[54] **DISPOSITIF DE LIAISON, NOTAMMENT POUR RELIER UNE ETAGERE A UNE PAROI D'UN ELEMENT DE MOBILIER**
[72] CARNELOS, LUCA, IT
[72] DELLA ROSA, SIMONE, IT
[72] DURIGON, GIULIO, IT
[72] IVAN, ABRAMO, IT
[72] VERZIAGI, DAVIDE, IT
[72] ZONTA, CHRISTIAN, IT
[71] FERRAMENTA LIVENZA - SOCIETA' A RESPONSABILITA' LIMITATA, IT
[85] 2017-12-27
[86] 2016-06-28 (PCT/EP2016/065045)
[87] (WO2017/001420)
[30] IT (102015000028413) 2015-06-29

[21] **2,990,888**
[13] A1
[51] **Int.Cl. G10L 21/0208 (2013.01)**
[25] EN
[54] **METHOD AND DEVICE FOR GENERATING A DATABASE**
[54] **PROCEDE ET DISPOSITIF POUR CREER UNE BASE DE DONNEES**
[72] SPORER, THOMAS, DE
[72] CLAUSS, TOBIAS, DE
[72] LIEBETRAU, JUDITH, DE
[72] KEPPLINGER, SARA, DE
[72] KEPPLINGER, DIETMAR, AT
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2017-12-27
[86] 2016-06-30 (PCT/EP2016/065392)
[87] (WO2017/001607)
[30] EP (15174634.4) 2015-06-30

[21] **2,990,890**
[13] A1
[51] **Int.Cl. A47B 96/06 (2006.01) F16B 12/20 (2006.01) F16B 12/46 (2006.01)**
[25] EN
[54] **JOINING DEVICE, PARTICULARLY FOR JOINING A SHELF TO A WALL OF A PIECE OF FURNITURE**
[54] **DISPOSITIF D'ASSEMBLAGE, NOTAMMENT POUR RELIER UNE ETAGERE A UNE PAROI D'UN MEUBLE**
[72] CARNELOS, LUCA, IT
[72] DELLA ROSA, SIMONE, IT
[72] DURIGON, GIULIO, IT
[72] IVAN, ABRAMO, IT
[72] VERZIAGI, DAVIDE, IT
[72] ZONTA, CHRISTIAN, IT
[72] CIOL, MATTIA, IT
[71] FERRAMENTA LIVENZA - SOCIETA' A RESPONSABILITA' LIMITATA, IT
[85] 2017-12-27
[86] 2016-06-29 (PCT/EP2016/065162)
[87] (WO2017/001488)
[30] IT (102015000028424) 2015-06-29

[21] **2,990,892**
[13] A1
[51] **Int.Cl. A61F 2/28 (2006.01) A61F 2/30 (2006.01) A61L 27/00 (2006.01)**
[25] EN
[54] **ORTHOPEDIC IMPLANT**
[54] **PROTHESE ORTHOPEDIQUE**
[72] VALLITTU, PEKKA, FI
[71] SKULLE IMPLANTS OY, FI
[85] 2017-12-27
[86] 2016-07-01 (PCT/EP2016/065545)
[87] (WO2017/005637)
[30] EP (15175784.6) 2015-07-08

[21] **2,990,893**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01)**
[25] FR
[54] **IMMUNOGENIC PREPROCALCITONIN PEPTIDES**
[54] **PEPTIDES IMMUNOGENES DE PREPROCALCITONINE**
[72] MAMI-CHOUAIB, FATHIA, FR
[72] DURGEAU, AURELIE, FR
[71] INSTITUT GUSTAVE ROUSSY, FR
[85] 2017-12-27
[86] 2016-07-04 (PCT/EP2016/065733)
[87] (WO2017/005702)
[30] EP (15176174.9) 2015-07-09

[21] **2,990,894**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **GENETIC TESTING FOR PREDICTING RESISTANCE OF SALMONELLA SPECIES AGAINST ANTIMICROBIAL AGENTS**
[54] **TEST GENETIQUE PERMETTANT DE PREDIRE LA RESISTANCE D'ESPECES DE SALMONELLA A DES AGENTS ANTIMICROBIENS**
[72] KELLER, ANDREAS, DE
[72] SCHMOLKE, SUSANNE, DE
[72] STAEHLER, CORD FRIEDRICH, DE
[72] BACKES, CHRISTINA, DE
[72] GALATA, VALENTINA, DE
[71] ARES GENETICS GMBH, AT
[85] 2017-12-27
[86] 2016-07-21 (PCT/EP2016/067437)
[87] (WO2017/013217)
[30] EP (PCT/EP2015/066711) 2015-07-22

[21] **2,990,895**
[13] A1
[51] **Int.Cl. C07C 233/12 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **MEANS AND METHODS FOR A SAMPLE PREPARATION, ESPECIALLY FOR MASS SPECTROMETRY**
[54] **MOYENS ET PROCEDES DE PREPARATION D'ECHANTILLON, EN PARTICULIER POUR LA SPECTROMETRIE DE MASSE**
[72] KULAK, NILS A., DE
[72] PICHLER, GARWIN, DE
[72] MANN, MATTHIAS, DE
[71] MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DE WISSENSCHAFTEN E.V., DE
[85] 2017-12-27
[86] 2016-07-28 (PCT/EP2016/068095)
[87] (WO2017/017232)
[30] EP (15178894.0) 2015-07-29

[21] **2,990,901**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4439 (2006.01) A61P 9/00 (2006.01) A61P 27/02 (2006.01) C07D 401/10 (2006.01) C07D 413/10 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **SUBSTITUTED OXOPYRIDINE DERIVATIVES**
[54] **DERIVES D'OXOPYRIDINE SUBSTITUES**
[72] JIMENEZ NUNEZ, ELOISA, DE
[72] ACKERSTAFF, JENS, DE
[72] ROHRIG, SUSANNE, DE
[72] HILLISCH, ALEXANDER, DE
[72] MEIER, KATHARINA, DE
[72] HEITMEIER, STEFAN, DE
[72] TERSTEEGEN, ADRIAN, DE
[72] STAMPFUSS, JAN, DE
[72] ELLERBROCK, PASCAL, DE
[72] MEIBOM, DANIEL, DE
[72] LANG, DIETER, DE
[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[85] 2017-12-27
[86] 2016-07-05 (PCT/EP2016/065787)
[87] (WO2017/005725)
[30] EP (15176099.8) 2015-07-09
[30] EP (16157350.6) 2016-02-25

[21] **2,990,904**
[13] A1
[51] **Int.Cl. A01N 25/10 (2006.01) A01N 25/24 (2006.01) A01N 37/40 (2006.01) A01N 43/10 (2006.01) A01N 43/653 (2006.01) A01N 57/20 (2006.01) C08F 220/56 (2006.01) C08F 283/06 (2006.01)**
[25] EN
[54] **AGROFORMULATION COMPRISING COPOLYMERS CONTAINING HYDROXYBUTYL VINYL ETHER AS ASSOCIATIVE THICKENER**
[54] **FORMULES AGRICOLES AYANT DES COPOLYMERES CONTENANT DE L'HYDROXYBUTYLVINYLETHER COMME EPAISSISSANT ASSOCIATIF**
[72] BITTNER, CHRISTIAN, DE
[72] ZIMMERMANN, TOBIAS, DE
[72] EISSMANN, DIANA, DE
[72] RANFT, MEIK, DE
[72] MORAN PUENTE, DIANA WESTFALIA, DE
[72] GUBBELS, ERIK, DE
[71] BASF SE, DE
[85] 2017-12-27
[86] 2016-07-13 (PCT/EP2016/066589)
[87] (WO2017/012930)
[30] EP (15177851.1) 2015-07-22

[21] **2,990,906**
[13] A1
[51] **Int.Cl. C08F 2/00 (2006.01) C08F 2/01 (2006.01) C08F 10/02 (2006.01) C08L 23/04 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING A POLYETHYLENE PRODUCT**
[54] **PROCEDE DE PREPARATION D'UN PRODUIT DE POLYETHYLENE**
[72] VANTOMME, AURELIEN, BE
[72] WILLOCQ, CHRISTOPHER, BE
[71] TOTAL RESEARCH & TECHNOLOGY FELUY, BE
[85] 2017-12-27
[86] 2016-07-13 (PCT/EP2016/066677)
[87] (WO2017/009386)
[30] EP (15176886.8) 2015-07-15

[21] **2,990,908**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **GENETIC TESTING FOR PREDICTING RESISTANCE OF PSEUDOMONAS SPECIES AGAINST ANTIMICROBIAL AGENTS**
[54] **TEST GENETIQUE PERMETTANT DE PREDIRE LA RESISTANCE D'ESPECES DE PSEUDOMONAS A DES AGENTS ANTIMICROBIENS**
[72] KELLER, ANDREAS, DE
[72] SCHMOLKE, SUSANNE, DE
[72] STAHLER, CORD FRIEDRICH, DE
[72] BACKES, CHRISTINA, DE
[72] GALATA, VALENTINA, DE
[71] ARES GENETICS GMBH, AT
[85] 2017-12-27
[86] 2016-07-21 (PCT/EP2016/067406)
[87] (WO2017/013204)
[30] EP (PCT/EP2015/066773) 2015-07-22

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[21] **2,990,909**
[13] A1
[51] **Int.Cl. B23D 45/12 (2006.01) B23D 21/00 (2006.01) B23D 33/02 (2006.01) B23D 45/00 (2006.01) B23D 47/02 (2006.01) B23D 47/04 (2006.01) B23K 9/00 (2006.01) B23Q 3/06 (2006.01) B24B 19/00 (2006.01) B24B 23/08 (2006.01) B24B 27/00 (2006.01) B25B 5/04 (2006.01) B25B 5/10 (2006.01) B25B 5/14 (2006.01) B25H 1/00 (2006.01) B26D 3/16 (2006.01) B27B 9/00 (2006.01) B28D 1/22 (2006.01)**
[25] EN
[54] **APPARATUS FOR MANIPULATING TUBULAR AND ROUND SECTION OBJECTS**
[54] **APPAREIL DE MANIPULATION D'OBJETS AYANT UNE SECTION TUBULAIRE ET RONDE**
[72] MAKKONEN, SEPPO, FI
[72] PRIHA, MIKA, FI
[71] EXACT TOOLS OY, FI
[85] 2017-12-27
[86] 2016-06-22 (PCT/FI2016/050456)
[87] (WO2016/207489)
[30] FI (20155488) 2015-06-23

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[21] **2,990,919**
[13] A1
[51] **Int.Cl. B65B 55/08 (2006.01) B65B 5/06 (2006.01) B65B 5/10 (2006.01) B65B 43/12 (2006.01) B67C 7/00 (2006.01) A61L 2/08 (2006.01)**
[25] EN
[54] **SYSTEM FOR HANDLING THE STERILIZATION OF THIN-BODY FLEXIBLE CONTAINERS (POUCH)**
[54] **SYSTEME DE MANIPULATION DE STERILISATION DE RECIPIENTS SOUPLES A CORPS MINCE (POCHE)**
[72] TAMARINDO, STEFANO, IT
[71] GUALA PACK S.P.A., IT
[85] 2017-12-27
[86] 2016-02-29 (PCT/IB2016/051108)
[87] (WO2017/001947)
[30] IT (102015000029638) 2015-07-01

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[21] **2,990,928**
[13] A1
[51] **Int.Cl. E21B 41/00 (2006.01) E21B 23/00 (2006.01)**
[25] EN
[54] **PRESSURE TESTABLE HYDRAULICALLY ACTIVATED WELLBORE TOOL**
[54] **OUTIL DE PUITS DE FORAGE HYDRAULIQUEMENT ACTIVE DONT LA PRESSION PEUT ETRE ESSAYEE**
[72] VAN PETEGEM, RONALD, US
[72] EMERSON, JOHN LEE, US
[72] IRELAND, KELLEY DAVID, US
[72] WRIGHT, NEIL STEVEN, US
[72] THEMIG, DANIEL JON, CA
[71] PACKERS PLUS ENERGY SERVICES INC., CA
[85] 2017-12-27
[86] 2016-06-24 (PCT/IB2016/053798)
[87] (WO2016/207863)
[30] US (62/184,765) 2015-06-25
[30] US (62/334,877) 2016-05-11

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[21] **2,990,935**
[13] A1
[51] **Int.Cl. B60C 5/00 (2006.01)**
[25] EN
[54] **AN IMPROVED FILLING ELEMENT FOR TIRES OF OFF-ROAD MOTOR VEHICLES**
[54] **ELEMENT DE REMPLISSAGE PERFECTIONNE POUR PNEUS DE VEHICULES AUTOMOBILES TOUT-TERRAIN**
[72] MAZZONI, LUIGI, IT
[71] GIBSON POWER TECH GMBH, DE
[85] 2017-12-27
[86] 2016-06-28 (PCT/IB2016/053850)
[87] (WO2017/002011)
[30] IT (102015000029077) 2015-06-30

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[21] **2,990,949**
[13] A1
[51] **Int.Cl. G01D 9/00 (2006.01) G06F 13/38 (2006.01) G06Q 10/00 (2012.01) H04B 7/00 (2006.01)**
[25] EN
[54] **BASE STATION FOR GATHERING DATA FROM LOCALIZED SENSORS**
[54] **STATION DE BASE POUR RASSEMBLER DES DONNEES A PARTIR DE CAPTEURS LOCALISES**
[72] JUNK, KENNETH WILLIAM, US
[72] LATWESEN, ANNETTE LYNN, US
[71] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2017-12-27
[86] 2016-07-01 (PCT/US2016/040625)
[87] (WO2017/004480)
[30] US (62/187,913) 2015-07-02
[30] US (15/183,439) 2016-06-15

[21] **2,990,955**
[13] A1
[51] **Int.Cl. G09F 9/33 (2006.01) A47B 43/00 (2006.01) B23P 11/00 (2006.01) E04H 3/10 (2006.01) F16M 11/04 (2006.01) F21V 21/00 (2006.01) G06F 3/14 (2006.01)**
[25] EN
[54] **MODULAR INTERLOCKING DISPLAY SYSTEM**
[54] **SYSTEME D'AFFICHAGE A VERROUILLAGE MUTUEL MODULAIRE**
[72] CASS, AARON D., US
[71] ACASS SYSTEMS LLC, US
[85] 2017-12-27
[86] 2016-07-01 (PCT/US2016/040837)
[87] (WO2017/004585)
[30] US (62/187,741) 2015-07-01
[30] US (62/187,749) 2015-07-01
[30] US (62/192,780) 2015-07-15
[30] US (15/200,643) 2016-07-01

[21] **2,990,958**
[13] A1
[51] **Int.Cl. F26B 17/12 (2006.01) F26B 3/14 (2006.01) F26B 21/04 (2006.01)**
[25] EN
[54] **METHOD AND PLANT FOR PROCESSING AND DRYING OF WOOD SHAVINGS, WOODCHIPS OR OTHER SOLID MATERIALS IN SMALL PIECES THAT ARE OF ORGANIC AND/OR MINERAL ORIGIN**
[54] **PROCEDE ET SYSTEME DE PREPARATION ET DE SECHAGE DE MATERIAUX SOLIDES EN PETITS MORCEAUX**
[72] DETZEL, VALERY, DE
[71] CEBCON TECHNOLOGIES GMBH, DE
[85] 2017-12-28
[86] 2015-07-02 (PCT/EP2015/065100)
[87] (WO2017/001019)

[21] **2,990,961**
[13] A1
[51] **Int.Cl. A61K 31/7048 (2006.01) A61P 1/12 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **NOVEL DOSAGE REGIMEN TIACUMICIN COMPOUND**
[54] **NOUVEAU COMPOSE DE TIACUMICINE POUR REGIME POSOLOGIQUE**
[72] KARAS, ANDREAS JOHANNIS, NL
[72] LONGSHAW, CHRISTOPHER MARK, NL
[72] DELGADO-HERRERA, LETICIA, NL
[72] ZEIHER, BERNHARDT GEORGE, NL
[71] ASTELLAS PHARMA EUROPE LTD., GB
[85] 2017-12-28
[86] 2016-07-04 (PCT/EP2016/001140)
[87] (WO2017/005358)
[30] EP (15075021.4) 2015-07-03

[21] **2,990,963**
[13] A1
[51] **Int.Cl. C12N 15/86 (2006.01) A61K 35/28 (2015.01) A61K 38/17 (2006.01) A61K 38/50 (2006.01) A61K 48/00 (2006.01) C12N 15/67 (2006.01)**
[25] EN
[54] **RETROVIRAL VECTORS CONTAINING A REVERSE ORIENTATION HUMAN UBIQUITIN C PROMOTER**
[54] **VECTEURS RETROVIRAUX CONTENANT UN PROMOTEUR DE L'UBIQUITINE C HUMAINE A ORIENTATION INVERSE**
[72] KOHN, DONALD B., US
[72] COOPER, AARON ROSS, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2017-12-27
[86] 2016-06-22 (PCT/US2016/038814)
[87] (WO2017/003792)
[30] US (62/187,678) 2015-07-01

[21] **2,990,968**
[13] A1
[51] **Int.Cl. E02F 9/20 (2006.01) E02F 3/34 (2006.01) E02F 3/43 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING MACHINE GROUND PRESSURE AND TIPPING**
[54] **SYSTEMES ET PROCEDES DE COMMANDE DE BASCULEMENT ET DE PRESSION AU SOL DE MACHINE**
[72] LEE, MOO YOUNG, US
[72] HREN, WILLIAM J., US
[72] PEDRETTI, ETHAN J., US
[72] LINSTROTH, MICHAEL J., US
[72] VOELZ, NICHOLAS R., US
[71] HARNISCHFEGER TECHNOLOGIES, INC., US
[85] 2017-12-27
[86] 2016-06-30 (PCT/US2016/040432)
[87] (WO2017/004389)
[30] US (62/186,969) 2015-06-30

[21] **2,990,972**
[13] A1
[51] **Int.Cl. F25B 49/02 (2006.01) F25B 31/00 (2006.01) F25B 39/04 (2006.01)**
[25] EN
[54] **ENERGY MANAGEMENT FOR REFRIGERATION SYSTEMS**
[54] **GESTION D'ENERGIE POUR SYSTEMES DE REFRIGERATION**
[72] WALLACE, JOHN, US
[72] BELTRAN, FRANKLIN, US
[72] WALLIS, FRANK S., US
[72] BERTIE, KEITH, US
[72] FULLENKAMP, PAUL L., US
[71] EMERSON CLIMATE TECHNOLOGIES RETAIL SOLUTIONS, INC., US
[85] 2017-12-27
[86] 2016-06-30 (PCT/US2016/040468)
[87] (WO2017/004406)
[30] US (62/186,791) 2015-06-30
[30] US (15/197,121) 2016-06-29

[21] **2,990,975**
[13] A1
[51] **Int.Cl. F25B 49/00 (2006.01) F25B 47/00 (2006.01) F25B 49/02 (2006.01)**
[25] EN
[54] **MAINTENANCE AND DIAGNOSTICS FOR REFRIGERATION SYSTEMS**
[54] **MAINTENANCE ET DIAGNOSTIC POUR SYSTEMES DE REFRIGERATION**
[72] WALLACE, JOHN, US
[72] BELTRAN, FRANKLIN, US
[72] WALLIS, FRANK S., US
[72] FULLENKAMP, PAUL L., US
[72] RICHARD, KAREN, US
[71] EMERSON CLIMATE TECHNOLOGIES RETAIL SOLUTIONS, INC., US
[85] 2017-12-27
[86] 2016-06-30 (PCT/US2016/040488)
[87] (WO2017/004416)
[30] US (62/186,813) 2015-06-30
[30] US (15/197,169) 2016-06-29

[21] **2,990,976**
[13] A1
[51] **Int.Cl. C08G 18/48 (2006.01) C08G 18/10 (2006.01) C08G 18/22 (2006.01) C08G 18/28 (2006.01) C08G 18/32 (2006.01) C08G 18/40 (2006.01) C08G 18/66 (2006.01) C08G 18/76 (2006.01) C09D 175/08 (2006.01)**
[25] EN
[54] **COATING AGENT COMPOSITION FOR PRODUCING PEELABLE AND CHEMICALLY-RESISTANT COATINGS**
[54] **COMPOSITION DE REVETEMENT POUR LA FABRICATION DE REVETEMENTS PELABLES ET RESISTANT AUX PRODUITS CHIMIQUES**
[72] PIECHA, CHRISTOPH, DE
[72] SEEGER, DIRK, DE
[72] HOHNHOLZ, DIETER, DE
[71] AKZO NOBEL COATINGS INTERNATIONAL B.V., NL
[85] 2017-12-28
[86] 2016-06-08 (PCT/EP2016/062968)
[87] (WO2017/005441)
[30] EP (15175724.2) 2015-07-07

[21] **2,990,978**
[13] A1
[51] **Int.Cl. B01F 3/04 (2006.01) B67B 7/86 (2006.01) B67D 1/04 (2006.01)**
[25] EN
[54] **ENGAGEMENT OF GAS CYLINDER WITH GAS DISPENSER**
[54] **MISE EN PRISE D'UNE BOUTEILLE DE GAZ AVEC UN DISTRIBUTEUR DE GAZ**
[72] RIDER, MIKE, US
[72] SWEEZEY, ANDREW S., US
[71] CORAVIN, INC., US
[85] 2017-12-27
[86] 2016-06-30 (PCT/US2016/040261)
[87] (WO2017/004306)
[30] US (14/755,050) 2015-06-30

[21] **2,990,979**
[13] A1
[51] **Int.Cl. G01G 11/04 (2006.01) G01G 11/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DETERMINING A SPECIFIC ENERGY CONSUMPTION OF BELT CONVEYORS**
[54] **PROCEDE ET DISPOSITIF DE DETERMINATION D'UNE CONSOMMATION D'ENERGIE SPECIFIQUE DE CONVOYEURS A BANDE**
[72] ZIEGLER, MANFRED, DE
[71] VOITH PATENT GMBH, DE
[85] 2017-12-28
[86] 2016-06-16 (PCT/EP2016/063846)
[87] (WO2017/001203)
[30] DE (10 2015 212 267.0) 2015-07-01

[21] **2,990,980**
[13] A1
[51] **Int.Cl. A62C 99/00 (2010.01)**
[25] EN
[54] **OXYGEN REDUCTION SYSTEM AND METHOD FOR CONFIGURING AN OXYGEN REDUCTION SYSTEM**
[54] **SYSTEME DE REDUCTION D'OXYGENE ET METHODE DE CONFIGURATION D'UN SYSTEME DE REDUCTION D'OXYGENE**
[72] WAGNER, ERNST-WERNER, DE
[71] AMRONA AG, CH
[85] 2017-12-28
[86] 2016-06-20 (PCT/EP2016/064148)
[87] (WO2017/001222)
[30] EP (15175014.8) 2015-07-02

[21] **2,990,981**
[13] A1
[51] **Int.Cl. C07D 413/12 (2006.01) A01N 43/82 (2006.01) A01N 43/84 (2006.01) C07D 271/113 (2006.01) C07D 417/12 (2006.01)**
[25] EN
[54] **N-(1,3,4-OXADIAZOL-2-YL)ARYL CARBOXAMIDE DERIVATIVES WITH HERBICIDAL ACTION**
[54] **DERIVES DE N-(1,3,4-OXADIAZOL-2-YL)ARYLCARBOXAMIDE A ACTION HERBICIDE**
[72] KOHN, ARNIM, DE
[72] WALDRAFF, CHRISTIAN, DE
[72] AHRENS, HARTMUT, DE
[72] HEINEMANN, INES, DE
[72] BRAUN, RALF, DE
[72] DIETRICH, HANSJORG, DE
[72] ROSINGER, CHRISTOPHER HUGH, DE
[72] GATZWEILER, ELMAR, DE
[71] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
[85] 2017-12-28
[86] 2016-06-29 (PCT/EP2016/065091)
[87] (WO2017/005564)
[30] EP (15175277.1) 2015-07-03

[21] **2,990,982**
[13] A1
[51] **Int.Cl. B63B 59/04 (2006.01)**
[25] EN
[54] **DITHERED MARINE UV REFLECTIVE COATING WITH COLOR**
[54] **REVETEMENT REFLECHISSANT LES UV MARIN TRAME AVEC COULEUR**
[72] SALTERS, BART ANDRE, NL
[71] KONINKLIJKE PHILPS N.V., NL
[85] 2017-12-28
[86] 2016-06-17 (PCT/EP2016/063971)
[87] (WO2017/001209)
[30] EP (15174424.0) 2015-06-30

[21] **2,990,983**
[13] A1
[51] **Int.Cl. A01N 43/713 (2006.01) A01P 13/00 (2006.01) C07D 257/06 (2006.01)**
[25] EN
[54] **THERMODYNAMICALLY STABLE CRYSTAL MODIFICATION OF 2-CHLORO-3-(METHYLSULFANYL)-N-(1-METHYL-1H-TETRAZOL-5-YL)-4-(TRIFLUOROMETHYL)BENZAMIDE**
[54] **MODIFICATION CRISTALLINE THERMODYNAMIQUEMENT STABLE DE 2-CHLORO-3-(METHYLSULFANYL)-N-(1-METHYL-1H-TETRAZOL-5-YL)-4-(TRIFLUOROMETHYL)BENZAMIDE**
[72] AHRENS, HARTMUT, DE
[72] KOHN, ARNIM, DE
[72] WALDRAFF, CHRISTIAN, DE
[72] OLENIK, BRITTA, DE
[72] KEIL, BIRGIT, DE
[71] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
[85] 2017-12-28
[86] 2016-06-30 (PCT/EP2016/065248)
[87] (WO2017/005585)
[30] EP (15175168.2) 2015-07-03

[21] **2,990,984**
[13] A1
[51] **Int.Cl. B28B 1/52 (2006.01)**
[25] EN
[54] **HATSCHEK PROCESS**
[54] **PROCEDE DE HATSCHEK**
[72] VAN ACOLEYEN, BERTRAND, BE
[72] DEHOMBREUX, ETIENNE, BE
[72] JACOBS, PAUL, BE
[71] ETEX SERVICES NV, BE
[71] ETERNIT NV, BE
[85] 2017-12-28
[86] 2016-06-20 (PCT/EP2016/064202)
[87] (WO2017/001230)
[30] BE (BE2015/5399) 2015-06-29

[21] **2,990,985**
[13] A1
[51] **Int.Cl. C07D 403/12 (2006.01) A01N 43/653 (2006.01) A01N 43/80 (2006.01) A01N 43/84 (2006.01) C07D 253/06 (2006.01) C07D 257/06 (2006.01) C07D 401/12 (2006.01) C07D 407/12 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01)**
[25] EN
[54] **N-(TETRAZOLE-5-YL)- AND N-(TRIAZOLE-5-YL)ARYL CARBOXAMIDE DERIVATIVES WITH HERBICIDAL ACTION**
[54] **DERIVES DE N-(TETRAZOL-5-YL)ARYLCARBOXAMIDE ET N-(TRIAZOL-5-YL)ARYLCARBOXAMIDE A ACTION HERBICIDE**
[72] KOHN, ARNIM, DE
[72] WALDRAFF, CHRISTIAN, DE
[72] AHRENS, HARTMUT, DE
[72] HEINEMANN, INES, DE
[72] BRAUN, RALF, DE
[72] DIETRICH, HANSJORG, DE
[72] ROSINGER, CHRISTOPHER HUGH, DE
[72] GATZWEILER, ELMAR, DE
[71] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
[85] 2017-12-28
[86] 2016-06-29 (PCT/EP2016/065098)
[87] (WO2017/005567)
[30] EP (15175276.3) 2015-07-03

[21] **2,990,986**
[13] A1
[51] **Int.Cl. B41J 2/35 (2006.01) B41J 2/355 (2006.01)**
[25] FR
[54] **METHOD FOR MANAGING A THERMAL PRINTER, DEVICE AND CORRESPONDING PROGRAM**
[54] **PROCEDE DE GESTION D'UNE IMPRIMANTE THERMIQUE, DISPOSITIF ET PROGRAMME CORRESPONDANT**
[72] XAVIER, BRUNO, FR
[72] ZANETTI, ARNAUD, FR
[71] INGENICO GROUP, FR
[85] 2017-12-28
[86] 2016-06-30 (PCT/EP2016/065445)
[87] (WO2017/001639)
[30] FR (1556132) 2015-06-30

[21] **2,990,987**
[13] A1
[51] **Int.Cl. G21C 1/09 (2006.01) G21C 1/32 (2006.01) G21C 13/02 (2006.01) G21C 17/116 (2006.01)**
[25] FR
[54] **NUCLEAR REACTOR WITH HEATING ELEMENTS HOUSED IN THEIR ENTIRETY IN AN INTEGRATED PRESSURISER AND CORRESPONDING METHOD OF USE**
[54] **REACTEUR NUCLEAIRE AVEC ELEMENTS CHAUFFANTS ENTIEREMENT LOGES DANS UN PRESSURISEUR INTEGRE, PROCEDE D'EXPLOITATION CORRESPONDANT**
[72] BRUN, MICHEL, FR
[71] SOCIETE TECHNIQUE POUR L'ENERGIE ATOMIQUE, FR
[85] 2017-12-28
[86] 2016-07-01 (PCT/EP2016/065506)
[87] (WO2017/001663)
[30] FR (15 56218) 2015-07-01

[21] **2,990,988**
[13] A1
[51] **Int.Cl. H04N 19/30 (2014.01)**
[25] EN
[54] **METHODS AND DEVICES FOR ENCODING AND DECODING A HDR COLOR PICTURE**
[54] **PROCEDES ET DISPOSITIFS POUR CODER ET DECODER UNE IMAGE COULEUR HDR**
[72] LELEANNEC, FABRICE, FR
[72] LASSERRE, SEBASTIEN, FR
[72] ANDRIVON, PIERRE, FR
[71] THOMSON LICENSING, FR
[85] 2017-12-28
[86] 2016-06-27 (PCT/EP2016/064839)
[87] (WO2017/001331)
[30] EP (15306042.1) 2015-06-30

[21] **2,990,991**
[13] A1
[51] **Int.Cl. C07D 401/04 (2006.01) A01N 43/40 (2006.01)**
[25] EN
[54] **PYRIDINE COMPOUNDS USEFUL FOR COMBATING PHYTOPATHOGENIC FUNGI**
[54] **COMPOSES PYRIDINE UTILES POUR LUTTER CONTRE DES CHAMPIGNONS PHYTOPATHOGENES**
[72] GRAMMENOS, WASSILIOS, DE
[72] WINTER, CHRISTIAN, DE
[72] MUELLER, BERND, DE
[72] WOLF, ANTJE, DE
[72] ESCRIBANO CUESTA, ANA, DE
[72] CAMBEIS, ERICA, DE
[72] LOHMANN, JAN KLAAS, DE
[72] GROTE, THOMAS, DE
[72] KRETSCHMER, MANUEL, US
[72] RIEDIGER, NADINE, DE
[72] CRAIG, IAN ROBERT, DE
[72] WIEBE, CHRISTINE, DE
[72] TERTERYAN-SEISER, VIOLETA, DE
[72] KOCH, ANDREAS, DE
[72] FEHR, MARCUS, DE
[71] BASF SE, DE
[85] 2017-12-28
[86] 2016-07-18 (PCT/EP2016/067039)
[87] (WO2017/016915)
[30] EP (15178246.3) 2015-07-24

[21] **2,990,992**
[13] A1
[51] **Int.Cl. A01N 63/04 (2006.01) A01P 13/02 (2006.01)**
[25] EN
[54] **CONIOTHYRIUM MINITANS FOR USE AGAINST MOSS GROWTH**
[54] **CONIOTHYRIUM MINITANS POUR UNE UTILISATION CONTRE LA CROISSANCE DE MOUSSE**
[72] NOGA, SANDRA, DE
[71] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
[85] 2017-12-28
[86] 2016-06-28 (PCT/EP2016/064968)
[87] (WO2017/001383)
[30] EP (15174941.3) 2015-07-02

[21] **2,990,993**
[13] A1
[51] **Int.Cl. E06B 9/324 (2006.01) E06B 9/323 (2006.01)**
[25] EN
[54] **BRAKING DEVICE, AND SHIELDING DEVICE USING SAME**
[54] **DISPOSITIF DE FREINAGE, ET DISPOSITIF DE PROTECTION L'UTILISANT**
[72] YAMAGISHI, KAZUTO, JP
[72] UEMATSU, TAKATOSHI, JP
[72] EBATO, TAKENOBU, JP
[72] ORITA, NOBUTOSHI, JP
[72] TAKAHASHI, DAISUKE, JP
[71] TACHIKAWA CORPORATION, JP
[85] 2017-12-27
[86] 2016-05-19 (PCT/JP2016/064949)
[87] (WO2016/194642)
[30] JP (2015-115244) 2015-06-05

[21] **2,990,994**
[13] A1
[51] **Int.Cl. C12M 1/32 (2006.01) C12M 1/12 (2006.01) C12M 3/00 (2006.01)**
[25] EN
[54] **DEVICE FOR PROPAGATING MICROTISSUES**
[54] **DISPOSITIF POUR LA PROPAGATION DE MICRO-TISSUS**
[72] LICHTENBERG, JAN, CH
[72] MORITZ, WOLFGANG, CH
[72] KELM, JENS, CH
[71] INSPHERO AG, CH
[85] 2017-12-28
[86] 2016-07-01 (PCT/EP2016/065571)
[87] (WO2017/001680)
[30] GB (1511544.7) 2015-07-01

[21] **2,990,995**
[13] A1
[51] **Int.Cl. G05D 23/00 (2006.01) F24D 19/10 (2006.01) G09G 5/02 (2006.01) H05K 5/02 (2006.01)**
[25] EN
[54] **THERMOSTAT FOR HEATING, AIR-CONDITIONING AND/OR VENTILATION SYSTEMS**
[54] **THERMOSTAT POUR INSTALLATIONS DE CHAUFFAGE, CLIMATISATION ET/OU VENTILATION**
[72] BECKER, GERNOT, DE
[72] HAMMER, MARKUS, DE
[72] NIEHUES, DANIEL, DE
[71] RWE EFFIZIENZ GMBH, DK
[85] 2017-12-28
[86] 2016-03-11 (PCT/EP2016/055297)
[87] (WO2017/001065)
[30] DE (10 2015 110 583.7) 2015-07-01

[21] **2,990,996**
[13] A1
[51] **Int.Cl. C12P 1/04 (2006.01) A01N 63/02 (2006.01)**
[25] EN
[54] **USE OF MICROBACTERIUM STRAINS FOR THE PRODUCTION OF ANTIBACTERIAL AGENTS**
[54] **UTILISATION DE SOUCHES DE MICROBACTERIUM POUR LA PRODUCTION D'AGENTS ANTIBACTERIENS**
[72] DHULSTER, PASCAL, FR
[72] LE BELLER, DOMINIQUE, FR
[72] LEONETTI, JEAN-PAUL, FR
[72] MANDAVID, HUGUES, FR
[72] LEVASSEUR, PREMAVATHY, FR
[72] VALENDUC, MARJORIE, FR
[71] DEINOBIOTICS, FR
[85] 2017-12-28
[86] 2016-07-01 (PCT/EP2016/065567)
[87] (WO2017/001677)
[30] EP (15306066.0) 2015-07-01

[21] **2,990,999**
[13] A1
[51] **Int.Cl. A23L 27/40 (2016.01) A23L 27/00 (2016.01) A23L 27/10 (2016.01) A23L 29/294 (2016.01) A23P 10/25 (2016.01) A23P 10/28 (2016.01)**
[25] EN
[54] **PROCESS TO PREPARE SODIUM AND/OR POTASSIUM SALT PRODUCTS, SALT PRODUCT OBTAINABLE THEREBY AND THE USE THEREOF**
[54] **PROCEDE DE PREPARATION DE PRODUITS DE SEL DE SODIUM ET/OU DE POTASSIUM, PRODUIT DE SEL POUVANT ETRE OBTENU PAR LE PROCEDE ET SON UTILISATION**
[72] ALTENA, EVERT, NL
[72] BRAND, JOHANNES, NL
[71] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL
[85] 2017-12-28
[86] 2016-07-05 (PCT/EP2016/065762)
[87] (WO2017/005714)
[30] EP (15175943.8) 2015-07-08

[21] **2,991,002**
[13] A1
[51] **Int.Cl. A61K 39/155 (2006.01)**
[25] EN
[54] **VACCINE AGAINST RSV**
[54] **VACCIN CONTRE LE VRS**
[72] LANGEDIJK, JOHANNES, NL
[72] ROYMANS, DIRK ANDRE EMMY, BE
[71] JANSSEN VACCINES & PREVENTION B.V., NL
[85] 2017-12-28
[86] 2016-07-07 (PCT/EP2016/066098)
[87] (WO2017/005844)
[30] EP (15175647.5) 2015-07-07

[21] **2,991,004**
[13] A1
[51] **Int.Cl. A61K 9/46 (2006.01) A61K 9/00 (2006.01) A61K 9/16 (2006.01) A61K 38/00 (2006.01)**
[25] EN
[54] **EFFERVESCENT FORMULATIONS OF ORNITHINE ASPARTATE**
[54] **FORMULATIONS EFFERVESCENTES D'ASPARTATE D'ORNITHINE**
[72] JOSHI, SHRADDHA SANJEEV, IN
[72] GUHA, ASHISH SHARADCHANDRA, IN
[72] GADILKAR, KEDAR, IN
[72] MANOLIKAR, MANDAR, IN
[71] EVONIK TECHNOCHEMIE GMBH, DE
[85] 2017-12-28
[86] 2016-07-19 (PCT/EP2016/067163)
[87] (WO2017/016930)
[30] IN (3814/CHE/2015) 2015-07-24
[30] EP (15186592.0) 2015-09-24

[21] **2,991,008**
[13] A1
[51] **Int.Cl. B60L 11/18 (2006.01) H02J 7/02 (2016.01) H02J 7/34 (2006.01)**
[25] EN
[54] **ELECTRIC VEHICLE CHARGING STATION AND METHOD FOR CONTROLLING AN ELECTRIC VEHICLE CHARGING STATION**
[54] **STATION DE CHARGE POUR VEHICULES ELECTRIQUES ET PROCEDE DE COMMANDE D'UNE STATION DE CHARGE POUR VEHICULES ELECTRIQUES**
[72] BEEKMANN, ALFRED, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2017-12-28
[86] 2016-08-04 (PCT/EP2016/068635)
[87] (WO2017/021488)
[30] DE (102015112752.0) 2015-08-04

[21] **2,991,012**
[13] A1
[51] **Int.Cl. E21B 23/14 (2006.01) E21B 23/00 (2006.01) E21B 31/20 (2006.01)**
[25] EN
[54] **METHOD OF REMOVING EQUIPMENT FROM A SECTION OF A WELLBORE AND RELATED APPARATUS**
[54] **PROCEDE DE DEMONTAGE D'EQUIPEMENTS A PARTIR D'UNE SECTION D'UN PUITS DE FORAGE ET APPAREIL ASSOCIE**
[72] BOGE, ERIK, NO
[71] QINTERRA TECHNOLOGIES AS, NO
[85] 2017-12-28
[86] 2016-06-24 (PCT/NO2016/050138)
[87] (WO2017/007331)
[30] NO (20150865) 2015-07-03

[21] **2,991,017**
[13] A1
[51] **Int.Cl. A61D 7/00 (2006.01)**
[25] EN
[54] **DRUG DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] RATHBONE, MICHAEL, NZ
[71] RATHBONE, MICHAEL, NZ
[85] 2017-12-28
[86] 2016-07-11 (PCT/NZ2016/050113)
[87] (WO2017/007342)
[30] NZ (709882) 2015-07-09

[21] **2,991,022**
[13] A1
[51] **Int.Cl. B60P 1/44 (2006.01) B65D 88/54 (2006.01)**
[25] EN
[54] **PORTABLE LIFT APPARATUS FOR SHIPPING CONTAINERS**
[54] **APPAREIL DE LEVAGE PORTABLE POUR CONTENEURS D'EXPEDITION**
[72] MOORE, MICHAEL T., US
[71] MOORE, MICHAEL T., US
[85] 2017-12-28
[86] 2015-06-30 (PCT/US2015/000071)
[87] (WO2017/003404)

[21] **2,991,027**
[13] A1
[51] **Int.Cl. G02B 6/38 (2006.01) G02B 6/44 (2006.01)**
[25] EN
[54] **OPTICAL FIBER CABLE AND ASSEMBLY**
[54] **CABLE ET ENSEMBLE A FIBRE OPTIQUE**
[72] HURLEY, WILLIAM CARL, US
[72] MCCOLLOUGH, WILLIAM WELCH, US
[72] PAAP, MARK TRACY, US
[72] ELLIS, TERRY LEE, US
[72] CALDWELL, WILLIAM ERIC, US
[72] SISTARE, REBECCA ELIZABETH, US
[71] CORNING OPTICAL COMMUNICATIONS LLC, US
[85] 2017-12-28
[86] 2016-06-10 (PCT/US2016/036800)
[87] (WO2017/014855)
[30] US (62/186,497) 2015-06-30

[21] **2,991,029**
[13] A1
[51] **Int.Cl. H02K 3/12 (2006.01) E21B 43/12 (2006.01) F04B 47/06 (2006.01) H02K 5/132 (2006.01) H02K 15/085 (2006.01)**
[25] EN
[54] **ELECTRICAL SUBMERSIBLE PUMP WITH MOTOR WINDING ENCAPSULATED IN BONDED CERAMIC**
[54] **POMPE ELECTRIQUE SUBMERSIBLE AVEC ENROULEMENT DE MOTEUR ENCAPSULE DANS DE LA CERAMIQUE LIEE**
[72] DUAN, PING, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2017-09-26
[86] 2016-03-29 (PCT/US2016/024663)
[87] (WO2016/160779)
[30] US (62/140,977) 2015-03-31
[30] US (15/075,359) 2016-03-21

[21] **2,991,030**
[13] A1
[51] **Int.Cl. G01N 23/18 (2018.01) G01N 23/04 (2018.01)**
[25] EN
[54] **INLINE X-RAY MEASUREMENT APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE MESURE A RAYONS X EN LIGNE**
[72] KIRSCHENMAN, MARK B., US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2017-12-28
[86] 2016-06-10 (PCT/US2016/036922)
[87] (WO2017/003665)
[30] US (62/186,792) 2015-06-30

[21] **2,991,031**
[13] A1
[51] **Int.Cl. E21B 47/00 (2012.01) E21B 49/08 (2006.01) G01V 8/02 (2006.01)**
[25] EN
[54] **RECONSTRUCTING OPTICAL SPECTRA USING INTEGRATED COMPUTATIONAL ELEMENT STRUCTURES**
[54] **RECONSTRUCTION DE SPECTRES OPTIQUES A L'AIDE DE STRUCTURES D'ELEMENT DE CALCUL INTEGRE**
[72] DAI, BIN, US
[72] JONES, CHRIS, US
[72] CHEN, DINGDING, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-12-28
[86] 2015-07-29 (PCT/US2015/042735)
[87] (WO2017/019072)

[21] **2,991,039**
[13] A1
[51] **Int.Cl. C08F 291/04 (2006.01) C08K 5/00 (2006.01) C08K 5/47 (2006.01)**
[25] EN
[54] **COMPOSITIONS INCLUDING A POLYTHIOL, AN UNSATURATED COMPOUND, AND A DYE AND METHODS RELATING TO SUCH COMPOSITIONS**
[54] **COMPOSITIONS COMPRENANT UN POLYTHIOL, UN COMPOSE INSATURE ET UN COLORANT ET PROCEDES ASSOCIES A CES COMPOSITIONS**
[72] YE, SHENG, US
[72] SHAFER, KATHLEEN S., US
[72] WENDLAND, MICHAEL S., US
[72] DEMOSS, SUSAN E., US
[72] ZOOK, JONATHAN D., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2017-12-28
[86] 2016-06-28 (PCT/US2016/039769)
[87] (WO2017/004015)
[30] US (62/185,775) 2015-06-29

[21] **2,991,041**
[13] A1
[51] **Int.Cl. A61K 9/14 (2006.01) A61K 31/4985 (2006.01)**
[25] EN
[54] **CHEWABLE COMPOSITION COMPRISING A PHARMACEUTICALLY ACTIVE INGREDIENT**
[54] **COMPOSITION A MACHER COMPRENANT UN INGREDIENT PHARMACEUTIQUEMENT ACTIF**
[72] COLEMAN, DAN, US
[72] STANDLEY, STEVE, US
[71] VIRBAC CORPORATION, US
[85] 2017-12-28
[86] 2016-06-29 (PCT/US2016/040028)
[87] (WO2017/007654)
[30] US (14/791,996) 2015-07-06

[21] **2,991,042**
[13] A1
[51] **Int.Cl. G05B 19/02 (2006.01) E05F 15/40 (2015.01) G08C 19/36 (2006.01)**
[25] EN
[54] **WIRELESS OBSTACLE DETECTION FOR USE WITH DIFFERENT BARRIER OPERATOR TYPES**
[54] **DETECTION D'OBSTACLE SANS FIL DESTINEE A ETRE UTILISEE AVEC DIFFERENTS TYPES D'ACTIONNEUR DE BARRIERE**
[72] KELLER, ROBERT ROY, JR., US
[72] SORICE, CORY JON, US
[71] THE CHAMBERLAIN GROUP, INC., US
[85] 2017-12-28
[86] 2016-06-29 (PCT/US2016/040049)
[87] (WO2017/004173)
[30] US (14/789,576) 2015-07-01

[21] **2,991,043**
[13] A1
[51] **Int.Cl. B23K 35/02 (2006.01) B23K 35/40 (2006.01)**
[25] EN
[54] **SMALL DIAMETER TRIANGLE SEAM CONTROL WIRE AND PREFORM**
[54] **PREFORME ET FIL DE COMMANDE DE JONCTION TRIANGULAIRE DE FAIBLE DIAMETRE**
[72] KICK, DEAN W., US
[71] LUCAS-MILHAUPT, INC., US
[85] 2017-12-28
[86] 2016-06-29 (PCT/US2016/040073)
[87] (WO2017/004188)
[30] US (62/186,045) 2015-06-29

[21] **2,991,044**
[13] A1
[51] **Int.Cl. A61K 31/506 (2006.01) A61K 9/00 (2006.01) A61K 9/107 (2006.01) A61K 9/20 (2006.01) A61K 31/435 (2006.01) A61K 31/44 (2006.01) A61K 31/5377 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07D 213/74 (2006.01)**
[25] EN
[54] **THERAPEUTIC COMPOSITIONS, COMBINATIONS, AND METHODS OF USE**
[54] **COMPOSITIONS THERAPEUTIQUES, ASSOCIATIONS ET PROCEDES D'UTILISATION**
[72] PACHTER, JONATHAN A., US
[72] RING, JENNIFER E., US
[72] WEAVER, DAVID T., US
[72] WANG, YAN, US
[71] VERASTEM, INC., US
[85] 2017-12-28
[86] 2016-06-29 (PCT/US2016/040080)
[87] (WO2017/004192)
[30] US (62/186,197) 2015-06-29

[21] **2,991,045**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) A61K 35/17 (2015.01) C07K 14/47 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **THERAPEUTIC OLIGONUCLEOTIDES**
[54] **OLIGONUCLEOTIDES THERAPEUTIQUES**
[72] O'NEILL, HEATHER, US
[72] MIGLARESE, MARK, US
[72] SPETZLER, DAVID, US
[71] CARIS SCIENCE, INC., US
[85] 2017-12-28
[86] 2016-06-29 (PCT/US2016/040157)
[87] (WO2017/004243)
[30] US (62/186,242) 2015-06-29
[30] US (62/198,110) 2015-07-28
[30] US (62/220,652) 2015-09-18
[30] US (62/239,226) 2015-10-08
[30] US (62/269,671) 2015-12-18
[30] US (62/305,536) 2016-03-09

[21] **2,991,046**
[13] A1
[51] **Int.Cl. F04B 49/03 (2006.01) B05B 9/04 (2006.01) B05B 12/08 (2006.01) F04B 9/125 (2006.01) F04B 19/22 (2006.01) F04B 53/10 (2006.01)**
[25] EN
[54] **RUNAWAY VALVE SYSTEM FOR A PUMP**
[54] **SYSTEME DE SOUPAPE D'EMBALLEMENT POUR POMPE**
[72] STRONG, CHRISTOPHER LEE, US
[71] CARLISLE FLUID TECHNOLOGIES, INC., US
[85] 2017-12-28
[86] 2016-06-29 (PCT/US2016/040164)
[87] (WO2017/004245)
[30] US (62/186,220) 2015-06-29
[30] US (15/196,007) 2016-06-28

[21] **2,991,047**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **VELOCITY-WEIGHTING MODEL PREDICTIVE CONTROL OF AN ARTIFICIAL PANCREAS FOR TYPE 1 DIABETES APPLICATIONS**
[54] **COMMANDE PREDICTIVE DE MODELE DE PONDERATION DE LA VITESSE D'UN PANCREAS ARTIFICIEL POUR DES APPLICATIONS POUR LE DIABETE DE TYPE 1**
[72] GONDHALEKAR, RAVI L., US
[72] DASSAU, EYAL, US
[72] DOYLE, FRANCIS J., III, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2017-12-28
[86] 2016-06-29 (PCT/US2016/040220)
[87] (WO2017/004278)

[21] **2,991,048**
[13] A1
[51] **Int.Cl. A01N 25/04 (2006.01) A01N 25/30 (2006.01) A01N 43/56 (2006.01) A01P 3/00 (2006.01) C07D 231/10 (2006.01)**
[25] EN
[54] **METHODS FOR APPLE SCAB CONTROL**
[54] **PROCEDES POUR LUTTER CONTRE LA TAVELURE DU POMMIER**
[72] CORBIN, BILLY, R., JR., US
[71] VALENT U.S.A. LLC, US
[85] 2017-12-28
[86] 2016-06-30 (PCT/US2016/040306)
[87] (WO2017/004329)
[30] US (62/188,266) 2015-07-02

[21] **2,991,049**
[13] A1
[51] **Int.Cl. A01N 25/04 (2006.01) A01N 25/30 (2006.01) A01N 43/56 (2006.01) A01P 3/00 (2006.01) C07D 231/10 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR POWDERY MILDEW CONTROL AND METHODS OF THEIR USE**
[54] **COMPOSITIONS POUR COMBATTRE L'OIDIUM DU POMMIER ET PROCEDES DE LEUR UTILISATION**
[72] WALSTON, ALLISON, US
[72] PAWLAK, JOHN ANDREW, II, US
[71] VALENT U.S.A. LLC, US
[85] 2017-12-28
[86] 2016-06-30 (PCT/US2016/040314)
[87] (WO2017/004334)
[30] US (62/188,279) 2015-07-02

[21] **2,991,050**
[13] A1
[51] **Int.Cl. A01N 43/56 (2006.01) A01N 37/36 (2006.01)**
[25] EN
[54] **AGRICULTURAL MIXTURES**
[54] **MELANGES AGRICOLES**
[72] ARTHUR, KAREN S., US
[72] CORBIN, BILLY R., US
[71] VALENT U.S.A. LLC, US
[85] 2017-12-28
[86] 2016-06-30 (PCT/US2016/040341)
[87] (WO2017/004350)
[30] US (62/188,286) 2015-07-02

[21] **2,991,051**
[13] A1
[51] **Int.Cl. B29C 70/52 (2006.01) B29C 70/02 (2006.01) B29C 70/54 (2006.01)**
[25] EN
[54] **METHOD OF MANUFACTURING A COMPOSITE MATERIAL**
[54] **PROCEDE DE FABRICATION D'UN MATERIAU COMPOSITE**
[72] KIILUNEN, ERIK JOHN, US
[72] KERANEN, KENNETH BRIAN, US
[72] KERO, MATTHEW PAUL, US
[71] NEUVOKAS CORPORATION, US
[85] 2017-12-28
[86] 2016-06-30 (PCT/US2016/040353)
[87] (WO2017/004354)
[30] US (62/188,244) 2015-07-02

[21] **2,991,052**
[13] A1
[51] **Int.Cl. A61K 31/7105 (2006.01) C12N 15/113 (2010.01) A61K 31/713 (2006.01) C07H 21/02 (2006.01) C07H 21/04 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **COMPOUNDS AND COMPOSITIONS INCLUDING PHOSPHOROTHIOATED OLIGODEOXYNUCLEOTIDE, AND METHODS OF USE THEREOF**
[54] **COMPOSES ET COMPOSITIONS COMPRENANT DES OLIGODESOXYNUCLEOTIDES PHOSPHOROTHIOES, ET PROCEDES D'UTILISATION ASSOCIES**
[72] KORTYLEWSKI, MARCIN TOMASZ, US
[72] SWIDERSKI, PIOTR MAREK, US
[72] MOREIRA, DAYSON FRIACA, US
[71] CITY OF HOPE, US
[85] 2017-12-28
[86] 2016-06-30 (PCT/US2016/040361)
[87] (WO2017/004357)
[30] US (62/187,878) 2015-07-02
[30] US (62/264,026) 2015-12-07

[21] **2,991,057**
[13] A1
[51] **Int.Cl. A61B 5/024 (2006.01) A61B 5/00 (2006.01) A61B 5/0408 (2006.01) A61B 5/0452 (2006.01)**
[25] EN
[54] **HEART SOUND AND PULSE WAVEFORM ACQUISITION AND ANALYSIS**
[54] **ACQUISITION ET ANALYSE DE BRUIT DU CŒUR ET DE FORME D'ONDE DE PULSATION**
[72] RINDERKNECHT, DEREK, US
[72] GHARIB, MORTEZA, US
[72] PAHLEVAN, NIEMA, US
[72] TAVALLALI, PEYMAN, US
[71] CALIFORNIA INSTITUTE OF TECHNOLOGY, US
[85] 2017-12-28
[86] 2016-06-30 (PCT/US2016/040460)
[87] (WO2017/004402)
[30] US (62/187,772) 2015-07-01
[30] US (62/187,777) 2015-07-01

[21] **2,991,061**
[13] A1
[51] **Int.Cl. B01J 23/40 (2006.01) B01D 53/94 (2006.01) B01J 21/06 (2006.01) B01J 23/10 (2006.01) B01J 23/16 (2006.01) B01J 23/70 (2006.01) B01J 35/02 (2006.01) B01J 35/10 (2006.01) B01J 37/00 (2006.01) F01N 3/20 (2006.01)**
[25] EN
[54] **NITROUS OXIDE REMOVAL CATALYSTS FOR EXHAUST SYSTEMS**
[54] **CATALYSEURS D'ELIMINATION D'OXYDE NITREUX POUR SYSTEMES D'ECHAPPEMENT**
[72] LI, YUEJIN, US
[72] ZHENG, XIAOLAI, US
[72] ROTH, STANLEY A., US
[72] GERLACH, OLGA, DE
[72] SUNDERMANN, ANDREAS, DE
[71] BASF CORPORATION, US
[85] 2017-12-28
[86] 2016-06-30 (PCT/US2016/040485)
[87] (WO2017/004414)
[30] US (62/187,590) 2015-07-01

[21] **2,991,065**
[13] A1
[51] **Int.Cl. B23B 5/16 (2006.01)**
[25] EN
[54] **GEARING ARRANGEMENT FOR A PIPE MACHINING APPARATUS**
[54] **SYSTEME D'ENGRENAGE POUR APPAREIL D'USINAGE DE CONDUITE**
[72] GIBERMAN, ALEXANDER S., US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2017-12-28
[86] 2016-06-30 (PCT/US2016/040496)
[87] (WO2017/004420)
[30] US (62/188,148) 2015-07-02
[30] US (15/185,543) 2016-06-17

[21] **2,991,066**
[13] A1
[51] **Int.Cl. B23B 5/16 (2006.01)**
[25] EN
[54] **PIPE END MACHINING DEVICE**
[54] **DISPOSITIF D'USINAGE D'EXTREMITE DE TUYAU**
[72] GIBERMAN, ALEXANDER S., US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2017-12-28
[86] 2016-06-30 (PCT/US2016/040505)
[87] (WO2017/007687)
[30] US (62/190,315) 2015-07-09
[30] US (15/185,428) 2016-06-17

[21] **2,991,067**
[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01) H04W 12/06 (2009.01) H04W 4/00 (2018.01)**
[25] EN
[54] **PROVIDING MULTI-FACTOR AUTHENTICATION CREDENTIALS VIA DEVICE NOTIFICATIONS**
[54] **FOURNITURE DE JUSTIFICATIFS D'AUTHENTIFICATION MULTI-FACTEURS PAR DES NOTIFICATIONS DE DISPOSITIF**
[72] JOHANSSON, JESPER MIKAEL, US
[72] HITCHCOCK, DANIEL WADE, US
[72] CANAVOR, DARREN ERNEST, US
[72] BHIMANAIK, BHARATH KUMAR, US
[71] AMAZON TECHNOLOGIES, INC., US
[85] 2017-12-28
[86] 2016-07-26 (PCT/US2016/043964)
[87] (WO2017/019652)
[30] US (14/809,757) 2015-07-27
[30] US (14/809,762) 2015-07-27

[21] **2,991,069**
[13] A1
[51] **Int.Cl. B62D 5/04 (2006.01) B62D 6/00 (2006.01)**
[25] EN
[54] **MODEL BASED DIAGNOSTICS BASED ON STEERING MODEL**
[54] **DIAGNOSTIC FONDE SUR UN MODELE, EN FONCTION D'UN MODELE DE DIRECTION**
[72] MANGETTE, STEPHEN T., US
[72] BARNHART, BRENT A., US
[71] CROWN EQUIPMENT CORPORATION, US
[85] 2017-12-28
[86] 2016-08-01 (PCT/US2016/044981)
[87] (WO2017/030774)
[30] US (62/205,103) 2015-08-14

[21] **2,991,075**
[13] A1
[51] **Int.Cl. C07D 307/46 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING FURAN-2,5-DICARBOXYLIC ACID**
[54] **PROCEDE DE PREPARATION D'ACIDE FURANE-2,5-DICARBOXYLIQUE**
[72] GORDILLO, ALVARO, DE
[72] WERHAN, HOLGER, DE
[72] DEHN, RICHARD, DE
[72] BLANK, BENOIT, DE
[72] TELES, JOAQUIM HENRIQUE, DE
[72] SCHUNK, STEPHAN, DE
[72] PIEPENBRINK, MARKUS, DE
[72] BACKES, RENE, DE
[72] ZHANG, LEI, NL
[71] BASF SE, DE
[85] 2017-12-29
[86] 2016-07-01 (PCT/EP2016/065494)
[87] (WO2017/012842)
[30] EP (15177884.2) 2015-07-22

[21] **2,991,077**
[13] A1
[51] **Int.Cl. C12N 5/0783 (2010.01) C12N 5/0786 (2010.01)**
[25] EN
[54] **METHODS FOR OBTAINING REGULATORY T CELLS AND USES THEREOF**
[54] **PROCEDES D'OBTENTION DE LYMPHOCYTES T REGULATEURS ET UTILISATIONS ASSOCIEES**
[72] GUILLONNEAU, CAROLE, FR
[72] ANEGON, IGNACIO, FR
[72] BEZIE, SEVERINE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] UNIVERSITE DE NANTES, FR
[71] CENTRE HOSPITALIER UNIVERSITAIRE DE NANTES, FR
[85] 2017-12-29
[86] 2016-07-01 (PCT/EP2016/065572)
[87] (WO2017/005647)
[30] EP (15306092.6) 2015-07-03

[21] **2,991,080**
[13] A1
[51] **Int.Cl. A61K 51/02 (2006.01) A61K 51/10 (2006.01) A61K 51/12 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **RADIOTHERAPEUTIC PARTICLES AND SUSPENSIONS**
[54] **PARTICULES ET SUSPENSIONS RADIOTHERAPEUTIQUES**
[72] WESTROM, SARA, NO
[72] LARSEN, ROY HARTVIG, NO
[71] ONCOINVENT AS, NO
[85] 2017-12-29
[86] 2016-07-01 (PCT/EP2016/065573)
[87] (WO2017/005648)
[30] EP (15175318.3) 2015-07-03
[30] US (14/791,313) 2015-07-03
[30] US (14/798,258) 2015-07-13

[21] **2,991,081**
[13] A1
[51] **Int.Cl. G21C 1/32 (2006.01) G21C 13/036 (2006.01) G21C 17/116 (2006.01) H01B 17/30 (2006.01)**
[25] FR
[54] **ELECTRICAL PENETRATION ASSEMBLY FOR A NUCLEAR REACTOR VESSEL**
[54] **ASSEMBLAGE DE PENETRATION ELECTRIQUE DE CUVE D'UN REACTEUR NUCLEAIRE**
[72] BRUN, MICHEL, FR
[71] SOCIETE TECHNIQUE POUR L'ENERGIE ATOMIQUE, FR
[85] 2017-12-29
[86] 2016-06-28 (PCT/EP2016/065021)
[87] (WO2017/001409)
[30] FR (1556144) 2015-06-30

[21] **2,991,084**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/107 (2006.01) A61K 31/05 (2006.01)**
[25] EN
[54] **PROPOFOL EMULSION FOR PARENTERAL ADMINISTRATION**
[54] **EMULSION DE PROPOFOL POUR ADMINISTRATION PARENTERALE**
[72] BRITO DE LA FUENTE, EDMUNDO, DE
[72] GALLEGOS-MONTES, CRISPULO, DE
[72] HEKMATARA, TELLI, DE
[72] QUINCHIA-BUSTAMENTE, LIDA A., DE
[71] FRESENIUS KABI DEUTSCHLAND GMBH, DE
[85] 2017-12-29
[86] 2016-06-30 (PCT/EP2016/065279)
[87] (WO2017/001549)
[30] EP (15174744.1) 2015-07-01

[21] **2,991,085**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **GENETIC TESTING FOR PREDICTING RESISTANCE OF ACINETOBACTER SPECIES AGAINST ANTIMICROBIAL AGENTS**
[54] **TEST GENETIQUE POUR PREDIRE LA RESISTANCE D'ESPECES DU GENRE ACINETOBACTER A DES AGENTS ANTIMICROBIENS**
[72] KELLER, ANDREAS, DE
[72] SCHMOLKE, SUSANNE, DE
[72] STAEHLER, CORD FRIEDRICH, DE
[72] BACKES, CHRISTINA, DE
[72] GALATA, VALENTINA, DE
[71] ARES GENETICS GMBH, AT
[85] 2017-12-29
[86] 2016-07-13 (PCT/EP2016/066628)
[87] (WO2017/009374)
[30] EP (PCT/EP2015/065971) 2015-07-13

[21] **2,991,087**
[13] A1
[51] **Int.Cl. G01N 15/14 (2006.01) F21V 8/00 (2006.01) G01N 21/51 (2006.01) G01N 21/64 (2006.01) G02B 6/34 (2006.01) G01N 15/10 (2006.01)**
[25] EN
[54] **RADIATION CARRIER AND USE THEREOF IN AN OPTICAL SENSOR**
[54] **SUPPORT DE RAYONNEMENT ET SON UTILISATION DANS UN CAPTEUR OPTIQUE**
[72] VERCRUYSSE, DRIES, BE
[71] IMEC VZW, BE
[85] 2017-12-29
[86] 2016-06-30 (PCT/EP2016/065394)
[87] (WO2017/001609)
[30] EP (15174678.1) 2015-06-30

[21] **2,991,089**
[13] A1
[51] **Int.Cl. E05D 15/24 (2006.01)**
[25] EN
[54] **ROLLER SHUTTER ARRANGEMENT WITHOUT POLYGONAL EFFECT**
[54] **SYSTEME DE PORTE ENROULABLE SANS EFFET POLYGONE**
[72] LETONJE, JURIJ, SI
[72] ŽUMER, JURIJ, SI
[72] MAZEJ, ANDREJ, SI
[72] ZUMER, JURIJ, SI
[71] EFAFLEX INŽENIRING D.O.O. LJUBLJANA, SI
[85] 2017-12-29
[86] 2016-07-21 (PCT/EP2016/067419)
[87] (WO2017/021170)
[30] DE (10 2015 112 633.8) 2015-07-31

[21] **2,991,093**
[13] A1
[51] **Int.Cl. G01N 33/569 (2006.01)**
[25] EN
[54] **METHOD FOR ASSESSING CELL SURFACE RECEPTORS OF BLOOD CELLS**
[54] **PROCEDE POUR EVALUER LES RECEPTEURS DE SURFACE CELLULAIRE DES CELLULES SANGUINES**
[72] SUNDREHAGEN, ERLING, SE
[71] GENTIAN DIAGNOSTICS AS, NO
[85] 2017-12-29
[86] 2016-07-25 (PCT/EP2016/067639)
[87] (WO2017/013267)
[30] NO (20150960) 2015-07-23

[21] **2,991,099**
[13] A1
[51] **Int.Cl. A61K 31/145 (2006.01) A61K 31/397 (2006.01) A61K 31/40 (2006.01) A61K 31/4402 (2006.01) A61K 31/4409 (2006.01) A61K 31/445 (2006.01) A61K 31/4465 (2006.01) C07C 323/30 (2006.01) C07D 211/54 (2006.01)**
[25] EN
[54] **ADO-RESISTANT CYSTEAMINE ANALOGS AND USES THEREOF**
[54] **ANALOGUES DE LA CYSTEAMINE RESISTANT A L'ADO ET UTILISATIONS DE CEUX-CI**
[72] ZANKEL, TODD C., US
[72] UNITT, JOHN, GB
[72] PHILLIPS, TIMOTHY, GB
[72] GOURDET, BENOIT, GB
[72] DUFFY, LOMA, GB
[71] HORIZON ORPHAN LLC, US
[85] 2017-12-28
[86] 2016-07-01 (PCT/US2016/040637)
[87] (WO2017/004485)
[30] US (62/187,939) 2015-07-02
[30] US (62/387,337) 2015-12-23

[21] **2,991,101**
[13] A1
[51] **Int.Cl. A61K 9/107 (2006.01) A61K 38/42 (2006.01) A61K 47/10 (2017.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR IMPROVED ENCAPSULATION OF FUNCTIONAL PROTEINS IN POLYMERIC VESICLES**
[54] **COMPOSITIONS ET PROCEDES D'ENCAPSULATION AMELIOREE DE PROTEINES FONCTIONNELLES DANS DES VESICULES POLYMERES**
[72] YEWLE, JIVAN NAMDEO, US
[72] GHOROGHCHIAN, P. PETER, US
[71] POSEIDA THERAPEUTICS, INC., US
[85] 2017-12-28
[86] 2016-07-01 (PCT/US2016/040657)
[87] (WO2017/004498)
[30] US (62/187,942) 2015-07-02
[30] US (15/198,836) 2016-06-30

[21] **2,991,109**
[13] A1
[51] **Int.Cl. C12N 15/63 (2006.01) A61K 48/00 (2006.01) C12N 9/22 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR DELIVERY OF GENE EDITING TOOLS USING POLYMERIC VESICLES**
[54] **COMPOSITIONS ET PROCEDES D'ADMINISTRATION D'OUTILS D'EDITION DE GENE AU MOYEN DE VESICULES DE POLYMERE**
[72] YEWLE, JIVAN NAMDEO, US
[72] GHOROGHCHIAN, P. PETER, US
[71] POSEIDA THERAPEUTICS, INC., US
[85] 2017-12-28
[86] 2016-07-01 (PCT/US2016/040673)
[87] (WO2017/004509)
[30] US (62/187,942) 2015-07-02
[30] US (62/322,346) 2016-04-14
[30] US (15/199,021) 2016-06-30

[21] **2,991,112**
[13] A1
[51] **Int.Cl. F21V 33/00 (2006.01) F24F 3/056 (2006.01) F24F 13/078 (2006.01)**
[25] EN
[54] **AIRFLOW-CHANNELING SURGICAL LIGHT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ECLAIRAGE CHIRURGICAL CANALISANT L'ECOULEMENT D'AIR**
[72] SCHREIBER, KEVIN JOSEPH, US
[71] SCHREIBER, KEVIN JOSEPH, US
[85] 2017-12-28
[86] 2016-07-01 (PCT/US2016/040706)
[87] (WO2017/004523)
[30] US (14/789,338) 2015-07-01

[21] **2,991,114**
[13] A1
[51] **Int.Cl. C12N 9/42 (2006.01) C11D 3/386 (2006.01)**
[25] EN
[54] **POLYPEPTIDES HAVING XANTHAN DEGRADING ACTIVITY AND POLYNUCLEOTIDES ENCODING SAME**
[54] **POLYPEPTIDES PRESENTANT UNE ACTIVITE DE DEGRADATION DE XYLANASE ET POLYNUCLEOTIDES CODANT POUR CEUX-CI**
[72] SEGURA, DOROTEA RAVENTOS, DK
[72] ANDERSON, LARS, DK
[72] PALMEN, LORENA G., DK
[72] CHRISTIANSEN, LIV S., DK
[72] HALLIN, PETER F., DK
[72] MURPHY, LEIGH, DK
[72] OVERGAARD, METTE L.D., DK
[72] MONRAD, RUNE N., DK
[72] O'CONNELL, TIMOTHY, DE
[72] TONDERA, SUSANNE, DE
[72] MUSSMANN, NINA, DE
[72] HERBST, DANIELA, DE
[71] NOVOZYMES A/S, DK
[85] 2017-12-29
[86] 2016-09-15 (PCT/EP2016/071854)
[87] (WO2017/046260)
[30] EP (15185641.6) 2015-09-17

[21] **2,991,117**
[13] A1
[51] **Int.Cl. B60N 2/02 (2006.01)**
[25] EN
[54] **SINGLE MOTOR POWER SEAT**
[54] **SIEGE ELECTRIQUE A UN SEUL MOTEUR**
[72] DALGORD, RODNEY, US
[72] RUNDE, DAVID, US
[71] MAGNA SEATING INC., CA
[85] 2017-12-29
[86] 2016-07-01 (PCT/US2016/040704)
[87] (WO2017/004521)
[30] US (62/187,525) 2015-07-01

[21] **2,991,118**
[13] A1
[51] **Int.Cl. F16J 15/34 (2006.01) F04D 29/08 (2006.01)**
[25] EN
[54] **FACE SEAL**
[54] **JOINT D'EXTREMITE**
[72] AGRINSKIY, ANDREY NIKOLAEVICH, RU
[72] VORONOV, TIMUR DMITRIEVICH, RU
[72] GORONKOV, ANDREY VLADIMIROVICH, RU
[72] KAZANTSEV, RODION PETROVICH, RU
[72] SHCHUTSKIY, SERGEY YUREVICH, RU
[72] KUZ'MIN, ALEKSEY MIKHAYLOVICH, RU
[71] JOINT STOCK COMPANY "CENTRAL DESIGN BUREAU OF MACHINE BUILDING", RU
[71] JOINT STOCK COMPANY "SCIENCE AND INNOVATIONS" ("SCIENCE AND INNOVATIONS", JSC), RU
[85] 2017-12-29
[86] 2016-06-20 (PCT/RU2016/000373)
[87] (WO2017/222404)

[21] **2,991,119**
[13] A1
[51] **Int.Cl. A61C 5/50 (2017.01) A61C 8/00 (2006.01)**
[25] EN
[54] **DENTAL IMPLANTATION DEVICE**
[54] **DISPOSITIF D'IMPLANTATION ODONTOLOGIQUE**
[72] OLLER PARDOS, VICTOR, ES
[72] TORRES POLO, FRANCISCO JAVIER, ES
[71] INSTITUT CATALA D'ESPECIALITATS ODONTOLOGIQUES, S.L., ES
[85] 2017-12-29
[86] 2016-06-30 (PCT/ES2016/070489)
[87] (WO2017/005951)
[30] ES (U201530788) 2015-07-03

[21] **2,991,120**
[13] A1
[51] **Int.Cl. G01B 7/02 (2006.01)**
[25] EN
[54] **WEAR INDICATION DEVICES, AND RELATED ASSEMBLIES AND METHODS**
[54] **DISPOSITIFS D'INDICATION D'USURE, ET ENSEMBLES ET PROCEDES ASSOCIES**
[72] STEED, DANIEL J., US
[72] POULSEN, SHILOH D., US
[71] DASH LLC, US
[85] 2017-12-29
[86] 2016-07-01 (PCT/US2016/040784)
[87] (WO2017/004565)
[30] US (14/791,081) 2015-07-02

[21] **2,991,122**
[13] A1
[51] **Int.Cl. C07D 471/22 (2006.01) A61K 31/437 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **INDOLOTRYPTOLINE ANTICANCER AGENTS**
[54] **AGENTS ANTICANCEREUX DE LA FAMILLE DE L'INDOLOTRYPTOLINE**
[72] BRADY, SEAN, US
[72] MONTIEL, DANIEL, US
[71] BRADY, SEAN, US
[71] MONTIEL, DANIEL, US
[85] 2017-12-28
[86] 2016-07-01 (PCT/US2016/040793)
[87] (WO2017/004568)
[30] US (62/187,873) 2015-07-02

[21] **2,991,128**
[13] A1
[51] **Int.Cl. G06F 17/30 (2006.01) G06F 9/46 (2006.01)**
[25] EN
[54] **METHOD AND ARCHITECTURE FOR PROVIDING DATABASE ACCESS CONTROL IN A NETWORK WITH A DISTRIBUTED DATABASE SYSTEM**
[54] **PROCEDE ET ARCHITECTURE DESTINES A FOURNIR UNE COMMANDE D'ACCES A UNE BASE DE DONNEES DANS UN RESEAU DOTE D'UN SYSTEME DE BASE DE DONNEES DISTRIBUEES**
[72] DOUROS, BRYAN PHIL, US
[72] REVILAK, STEPHEN A., US
[71] AB INITIO TECHNOLOGY LLC, US
[85] 2017-12-29
[86] 2016-07-05 (PCT/US2016/040949)
[87] (WO2017/011219)
[30] US (62/190,843) 2015-07-10

[21] **2,991,131**
[13] A1
[51] **Int.Cl. G06F 17/30 (2006.01) G06F 9/46 (2006.01)**
[25] EN
[54] **METHOD AND ARCHITECTURE FOR PROVIDING DATABASE ACCESS CONTROL IN A NETWORK WITH A DISTRIBUTED DATABASE SYSTEM**
[54] **PROCEDE ET ARCHITECTURE POUR FOURNIR UNE COMMANDE D'ACCES A UNE BASE DE DONNEES DANS UN RESEAU AVEC UN SYSTEME DE BASE DE DONNEES REPARTI**
[72] DOUROS, BRYAN PHIL, US
[72] REVILAK, STEPHEN A., US
[71] AB INITIO TECHNOLOGY LLC, US
[85] 2017-12-29
[86] 2016-07-05 (PCT/US2016/040953)
[87] (WO2017/011220)
[30] US (62/190,843) 2015-07-10

[21] **2,991,133**
[13] A1
[51] **Int.Cl. B41J 29/377 (2006.01) B41J 29/02 (2006.01)**
[25] EN
[54] **AIR FILTER FOR INK JET PRINTER**
[54] **FILTRE A AIR POUR IMPRIMANTE A JET D'ENCRE**
[72] STAMP, MICHAEL JEFFREY, GB
[72] TOWNSEND, CALVIN, GB
[71] VIDEOJET TECHNOLOGIES INC., US
[85] 2017-12-29
[86] 2016-06-14 (PCT/US2016/037325)
[87] (WO2016/205173)
[30] GB (1510456.5) 2015-06-15

[21] **2,991,134**
[13] A1
[51] **Int.Cl. G06F 17/50 (2006.01)**
[25] EN
[54] **RECIPROCAL QUANTUM LOGIC (RQL) CIRCUIT SIMULATION SYSTEM**
[54] **SYSTEME DE SIMULATION DE CIRCUIT A LOGIQUE QUANTIQUE RECIPROQUE (RQL)**
[72] OBERG, OLIVER T., US
[72] SHAUCK, STEVEN B., US
[71] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2017-12-29
[86] 2016-07-05 (PCT/US2016/040984)
[87] (WO2017/011225)
[30] US (14/799,172) 2015-07-14

[21] **2,991,135**
[13] A1
[51] **Int.Cl. C21D 8/02 (2006.01)**
[25] EN
[54] **HIGH FORMABILITY DUAL PHASE STEEL**
[54] **ACIER BIPHASE A HAUTE APTITUDE AU FORMAGE**
[72] COMSTOCK, ROBERT J., US
[72] PARASKOS, GEORGE A., US
[71] AK STEEL PROPERTIES, INC., US
[85] 2017-12-29
[86] 2016-07-15 (PCT/US2016/042508)
[87] (WO2017/011751)
[30] US (62/192,897) 2015-07-15

[21] **2,991,136**
[13] A1
[51] **Int.Cl. G06F 11/36 (2006.01)**
[25] EN
[54] **MODIFYING DATA STRUCTURES TO INDICATE DERIVED RELATIONSHIPS AMONG ENTITY DATA OBJECTS**
[54] **MODIFICATION DE STRUCTURES DE DONNEES POUR INDIQUER LES RELATIONS DERIVEES ENTRE OBJETS DE DONNEES D'ENTITE**
[72] KRISHNAMACHARYA, SRI, US
[71] EQUIFAX, INC., US
[85] 2017-12-29
[86] 2016-07-06 (PCT/US2016/041089)
[87] (WO2017/007810)
[30] US (62/188,862) 2015-07-06

[21] **2,991,137**
[13] A1
[51] **Int.Cl. D01F 6/74 (2006.01) D06M 13/285 (2006.01)**
[25] EN
[54] **PHOSPHONATED PBI FIBER**
[54] **FIBRE PBI PHOSPHONEE**
[72] SHIELS, BRIAN P., US
[72] COPELAND, GREGORY S., US
[72] QIN, FENG, US
[71] PBI PERFORMANCE PRODUCTS, INC., US
[85] 2017-12-29
[86] 2016-06-28 (PCT/US2016/039713)
[87] (WO2017/007629)
[30] US (62/188,812) 2015-07-06
[30] US (15/193,206) 2016-06-27

[21] **2,991,138**
[13] A1
[51] **Int.Cl. A61M 15/00 (2006.01) A61M 16/00 (2006.01)**
[25] EN
[54] **AEROSOL DELIVERY SYSTEMS AND RELATED METHODS**
[54] **SYSTEMES DE DELIVRANCE PAR AEROSOL ET PROCEDES ASSOCIES**
[72] DEATON, DANIEL, US
[72] FERRITER, MATTHEW, US
[72] SHERWOOD, JILL KAREN, US
[72] HAINSWORTH, JOHN, GB
[72] HAMLIN, FRED WILLIAM, GB
[72] LAMBLE, RALPH, GB
[72] LEWIS, SCOTT, GB
[72] PERKINS, GEORGE MCGEE, GB
[72] RIEBE, MICHAEL, US
[71] PEARL THERAPEUTICS, INC., US
[85] 2017-12-29
[86] 2016-07-19 (PCT/US2016/043004)
[87] (WO2017/015303)
[30] US (62/194,701) 2015-07-20
[30] US (62/212,379) 2015-08-31

[21] **2,991,140**
[13] A1
[51] **Int.Cl. A01N 65/08 (2009.01) A01N 25/02 (2006.01)**
[25] EN
[54] **A METHOD FOR USING MUSTARD MEAL OR AN EXTRACT THEREOF**
[54] **PROCEDE D'UTILISATION DE FARINE DE MOUTARDE OU D'UN EXTRAIT DE CELLE-CI**
[72] MORRA, MATTHEW J., US
[72] POPOVA, INNA E., US
[72] DUBIE, JEREMIAH, US
[71] UNIVERSITY OF IDAHO, US
[85] 2017-12-28
[86] 2016-07-07 (PCT/US2016/041361)
[87] (WO2017/007950)
[30] US (62/190,552) 2015-07-09

[21] **2,991,141**
[13] A1
[51] **Int.Cl. C11D 3/10 (2006.01) C11D 3/06 (2006.01) C11D 3/33 (2006.01) C11D 3/39 (2006.01) C11D 7/12 (2006.01) C11D 7/16 (2006.01) C11D 7/32 (2006.01)**
[25] EN
[54] **STAIN REMOVAL THROUGH NOVEL OXIDIZER AND CHELANT COMBINATION**
[54] **ELIMINATION DE TACHES AU MOYEN D'UNE NOUVELLE COMBINAISON D'OXYDANT ET D'AGENT CHELATANT**
[72] DOTZAUER, DAVID, US
[72] MANSERGH, JOHN, US
[72] KUTZ OTTING, KRISTA, US
[72] FOSTER, TOBIAS NEIL, DE
[71] ECOLAB USA INC., US
[85] 2018-01-02
[86] 2015-07-06 (PCT/EP2015/065399)
[87] (WO2017/005298)

[21] **2,991,143**
[13] A1
[51] **Int.Cl. B29C 45/76 (2006.01) B29C 45/77 (2006.01)**
[25] EN
[54] **METHOD OF INJECTION MOLDING USING ONE OR MORE STRAIN GAUGES AS A VIRTUAL SENSOR**
[54] **PROCEDE DE MOULAGE PAR INJECTION UTILISANT UNE OU PLUSIEURS JAUGES DE CONTRAINTE COMME CAPTEUR VIRTUEL**
[72] POLLARD, RICK ALAN, US
[72] RAKER, JOSHUA DOUGLAS, US
[72] ALTONEN, GENE MICHAEL, US
[72] HANSON, HERBERT KENNETH, III, US
[71] IMFLUX INC., US
[85] 2017-12-29
[86] 2016-07-22 (PCT/US2016/043590)
[87] (WO2017/015572)
[30] US (62/195,350) 2015-07-22

[21] **2,991,145**
[13] A1
[51] **Int.Cl. B29C 45/76 (2006.01) B29C 45/77 (2006.01)**
[25] EN
[54] **METHOD OF INJECTION MOLDING USING ONE OR MORE EXTERNAL SENSORS AS A VIRTUAL CAVITY SENSOR**
[54] **PROCEDE DE MOULAGE PAR INJECTION UTILISANT UN OU PLUSIEURS CAPTEURS EXTERNES COMME CAPTEUR DE CAVITE VIRTUEL**
[72] POLLARD, RICK ALAN, US
[72] RAKER, JOSHUA DOUGLAS, US
[72] ALTONEN, GENE MICHAEL, US
[72] HANSON, HERBERT KENNETH, III, US
[71] IMFLUX INC., US
[85] 2017-12-29
[86] 2016-07-22 (PCT/US2016/043591)
[87] (WO2017/015573)
[30] US (62/195,354) 2015-07-22

[21] **2,991,147**
[13] A1
[51] **Int.Cl. B01D 21/00 (2006.01) C02F 1/00 (2006.01) C02F 3/00 (2006.01) C02F 3/32 (2006.01)**
[25] EN
[54] **STORMWATER BIOFILTRATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE BIOFILTRATION D'EAU PLUVIALE**
[72] IORIO, PAUL ANTHONY, US
[71] IORIO, PAUL ANTHONY, US
[85] 2017-12-29
[86] 2016-08-10 (PCT/US2016/046438)
[87] (WO2017/027644)
[30] US (62/203,618) 2015-08-11
[30] US (62/253,752) 2015-11-11
[30] US (62/314,622) 2016-03-29

[21] **2,991,148**
[13] A1
[51] **Int.Cl. C04B 40/02 (2006.01) C04B 28/18 (2006.01)**
[25] EN
[54] **METHOD FOR BINDING CARBON DIOXIDE**
[54] **PROCEDE DE FIXATION DU DIOXYDE DE CARBONE**
[72] ITUL, ANCA, DE
[72] BEN HAHA, MOHSEN, DE
[72] SPENCER, NICHOLAS, DE
[71] HEIDELBERGCEMENT AG, DE
[85] 2018-01-02
[86] 2016-06-25 (PCT/EP2016/001108)
[87] (WO2017/005350)
[30] EP (15002019.6) 2015-07-06

[21] **2,991,149**
[13] A1
[51] **Int.Cl. A61L 2/08 (2006.01) A61L 2/10 (2006.01) A61L 2/20 (2006.01) A61L 2/24 (2006.01) A61L 9/18 (2006.01) A61L 9/20 (2006.01)**
[25] EN
[54] **GERMICIDAL APPARATUSES WITH CONFIGURATIONS TO SELECTIVELY CONDUCT DIFFERENT DISINFECTION MODES INTERIOR AND EXTERIOR TO THE APPARATUS**
[54] **APPAREILS GERMICIDES CONCUS POUR METTRE EN □UVRE SELECTIVEMENT DIFFERENTS MODES DE DESINFECTION A L'INTERIEUR ET A L'EXTERIEUR DE L'APPAREIL**
[72] STIBICH, MARK A., US
[72] FROUTAN, PAUL P., US
[72] SIMMONS, SARAH E., US
[72] DALE, CHARLES, US
[71] XENEX DISINFECTION SERVICES, LLC., US
[85] 2017-12-29
[86] 2016-06-29 (PCT/US2016/040150)
[87] (WO2017/004238)
[30] US (14/790,851) 2015-07-02
[30] US (14/790,827) 2015-07-02

[21] **2,991,150**
[13] A1
[51] **Int.Cl. H04L 12/24 (2006.01) H04L 12/26 (2006.01)**
[25] EN
[54] **MULTI-STAGE NETWORK DISCOVERY**
[54] **DECOUVERTE DE RESEAU MULTI-ETAPES**
[72] LIN, SKY CHIH HSIANG (DECEASED), US
[71] SERVICENOW, INC., US
[85] 2017-12-29
[86] 2017-04-20 (PCT/US2017/028632)
[87] (WO2017/184864)
[30] US (62/325,244) 2016-04-20
[30] US (15/492,223) 2017-04-20

[21] **2,991,151**
[13] A1
[51] **Int.Cl. G01N 9/18 (2006.01) G01F 23/72 (2006.01) G01M 3/32 (2006.01)**
[25] EN
[54] **FLUID MONITORING APPARATUS**
[54] **APPAREIL DE SURVEILLANCE DE FLUIDE**
[72] GRYTDAL, IDAR OLAV, NO
[71] STATOIL PETROLEUM AS, NO
[85] 2018-01-02
[86] 2015-07-08 (PCT/EP2015/065620)
[87] (WO2017/005322)

[21] **2,991,153**
[13] A1
[51] **Int.Cl. D21H 17/37 (2006.01) C08F 8/28 (2006.01) C08L 33/26 (2006.01) D21H 17/38 (2006.01) D21H 21/18 (2006.01) D21H 21/20 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING POLYACRYLAMIDE COMPOSITION**
[54] **PROCEDE DE PRODUCTION D'UNE COMPOSITION DE POLYACRYLAMIDE**
[72] ROSENCRANCE, SCOTT, US
[72] LU, CHEN, US
[71] KEMIRA OYJ, FI
[85] 2018-01-02
[86] 2016-06-29 (PCT/EP2016/065083)
[87] (WO2017/005562)
[30] FI (20155523) 2015-07-03

[21] **2,991,158**
[13] A1
[51] **Int.Cl. B64D 15/04 (2006.01) B64C 21/06 (2006.01) B64C 21/08 (2006.01)**
[25] EN
[54] **SYSTEM FOR DUAL MANAGEMENT OF ANTI-ICING AND BOUNDARY LAYER SUCTION ON AN AEROFOIL OF AN AIRCRAFT, INCLUDING A FUNCTION OF COLLECTING THE ANTI-ICING AIR**
[54] **SYSTEME POUR LA GESTION DUALE DE L'ANTIGIVRAGE ET DE L'ASPIRATION DE LA COUCHE LIMITE SUR UNE SURFACE PORTANTE D'UN AERONEF, COMPRENANT UNE FONCTION DE COLLECTE DE L'AIR D'ANTIGIVRAGE**
[72] GUEUNING, DIMITRI, BE
[72] DEBAISIEUX, STEPHANE, BE
[71] SONACA S.A., BE
[85] 2018-01-02
[86] 2016-07-05 (PCT/EP2016/065829)
[87] (WO2017/005737)
[30] BE (2015/5427) 2015-07-07

[21] **2,991,160**
[13] A1
[51] **Int.Cl. B05B 1/20 (2006.01) B05B 13/02 (2006.01) B07C 5/36 (2006.01) G01N 21/85 (2006.01)**
[25] EN
[54] **NOZZLE DEVICE AND SYSTEM FOR SORTING OBJECTS**
[54] **DISPOSITIF FORMANT BUSE ET SYSTEME DE TRI D'OBJETS**
[72] FLEISCHER, UWE, DE
[71] TOMRA SORTING GMBH, DE
[85] 2018-01-02
[86] 2016-07-06 (PCT/EP2016/065936)
[87] (WO2017/005772)
[30] EP (15175494.2) 2015-07-06

[21] **2,991,161**
[13] A1
[51] **Int.Cl. C07C 233/66 (2006.01)**
[25] EN
[54] **DIABETES AND METABOLIC SYNDROME TREATMENT WITH A NOVEL DUAL MODULATOR OF SOLUBLE EPOXIDE HYDROLASE AND PEROXISOME PROLIFERATOR-ACTIVATED RECEPTORS**
[54] **TRAITEMENT DU DIABETE ET DU SYNDROME METABOLIQUE AVEC UN NOUVEAU MODULATEUR DOUBLE D'HYDROLASE EPOXYDE SOLUBLE ET DE RECEPTEURS ACTIVES PAR LES PROLIFERATEURS DE PEROXYSOMES**
[72] IMIG, JOHN DAVID, US
[72] KHAN, MD ABDUL HYE, US
[72] PROSCHAK, EUGEN, DE
[72] BLOECHER, RENE, DE
[71] THE MEDICAL COLLEGE OF WISCONSIN, INC., US
[71] JOHANN WOLFGANG GOETHE-UNIVERSITAET FRANKFURT, DE
[85] 2017-12-29
[86] 2016-07-01 (PCT/US2016/040708)
[87] (WO2017/004525)
[30] US (62/188,010) 2015-07-02

[21] **2,991,163**
[13] A1
[51] **Int.Cl. B25B 15/00 (2006.01) F16B 23/00 (2006.01)**
[25] FR
[54] **SCREWING TOOL AND CORRESPONDING SCREW**
[54] **OUTIL DE VISSAGE ET VIS CORRESPONDANTE**
[72] TISSIERES, CHRISTIAN, CH
[71] IPP INDUSTRIES SARL, CH
[85] 2018-01-02
[86] 2016-07-06 (PCT/EP2016/066053)
[87] (WO2017/005825)
[30] EP (15175761.4) 2015-07-07

[21] **2,991,164**
[13] A1
[51] **Int.Cl. A61K 31/517 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY FOR TREATMENT OF HEMATOLOGICAL CANCERS AND SOLID TUMORS**
[54] **POLYTHERAPIE POUR LE TRAITEMENT DE CANCERS HEMATOLOGIQUES ET DE TUMEURS SOLIDES**
[72] GANDHI, ANITA, US
[72] CHIU, HSILING, US
[72] POURDEHNAD, MICHAEL, US
[71] CELGENE CORPORATION, US
[85] 2017-12-29
[86] 2016-07-01 (PCT/US2016/040718)
[87] (WO2017/004532)
[30] US (62/188,404) 2015-07-02
[30] US (62/245,916) 2015-10-23
[30] US (62/308,055) 2016-03-14
[30] US (62/340,972) 2016-05-24

[21] **2,991,165**
[13] A1
[51] **Int.Cl. A47J 31/54 (2006.01) A47J 31/56 (2006.01)**
[25] EN
[54] **DRINKS PREPARATION MACHINE**
[54] **MACHINE DE PREPARATION DE BOISSONS**
[72] TIEDEMANN, THORSTEN, DE
[72] TERNITE, RUDIGER, DE
[71] QBO COFFEE GMBH, CH
[85] 2018-01-02
[86] 2016-07-07 (PCT/EP2016/066069)
[87] (WO2017/005831)
[30] EP (15176167.3) 2015-07-09

[21] **2,991,168**
[13] A1
[51] **Int.Cl. C07D 233/32 (2006.01) A61K 31/4166 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ARYL SULFONAMIDE COMPOUNDS AS CARBONIC ANHYDRASE INHIBITORS AND THEIR THERAPEUTIC USE**
[54] **COMPOSES D'ARYL SULFONAMIDE UTILISES COMME INHIBITEURS D'ANHYDRASE CARBONIQUE ET LEUR UTILISATION THERAPEUTIQUE**
[72] ZHANG, ZAIHUI, CA
[71] SIGNALCHEM LIFESCIENCES CORPORATION, CA
[85] 2017-12-29
[86] 2016-07-01 (PCT/US2016/040736)
[87] (WO2017/004543)
[30] US (62/187,636) 2015-07-01

[21] **2,991,170**
[13] A1
[51] **Int.Cl. A61K 35/74 (2015.01) A61P 17/10 (2006.01)**
[25] EN
[54] **AMMONIA OXIDIZING BACTERIA FOR TREATMENT OF ACNE**
[54] **BACTERIES OXYDANT L'AMMONIAQUE POUR LE TRAITEMENT DE L'ACNE**
[72] WHITLOCK, DAVID R., US
[72] JAMAS, SPIROS, US
[72] WEISS, LARRY, US
[71] AOBIOME LLC, US
[85] 2017-12-29
[86] 2016-07-01 (PCT/US2016/040756)
[87] (WO2017/004557)
[30] US (62/188,343) 2015-07-02
[30] US (62/189,105) 2015-07-06
[30] US (14/882,284) 2015-10-13

[21] **2,991,179**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **ANTIBODY MOLECULES WHICH BIND CD45**
[54] **MOLECULES D'ANTICORPS QUI SE LIENT A CD45**
[72] FINNEY, HELENE MARGARET, GB
[72] RAPECKI, STEPHEN EDWARD, GB
[72] TYSON, KERRY LOUISE, GB
[72] WRIGHT, MICHAEL JOHN, GB
[71] UCB BIOPHARMA SPRL, BE
[85] 2018-01-02
[86] 2016-07-15 (PCT/EP2016/066987)
[87] (WO2017/009473)
[30] EP (PCT/EP2015/066368) 2015-07-16
[30] GB (1601073.8) 2016-01-20

[21] **2,991,186**
[13] A1
[51] **Int.Cl. A61M 5/50 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **SINGLE USE DELIVERY DEVICE HAVING SAFETY FEATURES**
[54] **DISPOSITIF D'ADMINISTRATION A USAGE UNIQUE AYANT DES CARACTERISTIQUES DE SECURITE**
[72] KOSKA, MARC ANDREW, GB
[71] KOSKA, MARC ANDREW, GB
[85] 2018-01-02
[86] 2016-07-01 (PCT/IB2016/001026)
[87] (WO2017/001918)
[30] US (62/188,108) 2015-07-02

[21] **2,991,197**
[13] A1
[51] **Int.Cl. D04H 1/42 (2012.01) B01D 39/16 (2006.01) D04H 3/16 (2006.01) D04H 13/00 (2006.01)**
[25] EN
[54] **ELECTRET WEBS WITH CHARGE-ENHANCING ADDITIVES**
[54] **BANDES D'ELECTRET A ADDITIFS D'ACCROISSEMENT DE CHARGE**
[72] SCHULTZ, NATHAN E., US
[72] LI, FUMING B., US
[72] VOLP, KELLY A., US
[72] SEBASTIAN, JOHN M., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2018-01-02
[86] 2016-06-30 (PCT/US2016/040358)
[87] (WO2017/007675)
[30] US (62/189,515) 2015-07-07

[21] **2,991,201**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 50/28 (2012.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR FREIGHT DELIVERY AND PICK-UP**
[54] **APPAREIL ET PROCEDE DE LIVRAISON ET DE RAMASSAGE DE MARCHANDISES**
[72] MAINS, RONALD H., US
[71] CROSS ROAD CENTERS, INC., US
[85] 2018-01-02
[86] 2016-06-30 (PCT/US2016/040508)
[87] (WO2017/004430)
[30] US (14/790,300) 2015-07-02

[21] **2,991,204**
[13] A1
[51] **Int.Cl. C08G 63/183 (2006.01) C07C 68/04 (2006.01)**
[25] EN
[54] **POLYMER COMPOSITIONS PRODUCED FROM BIOBASED ETHANOL**
[54] **COMPOSITIONS DE POLYMERES PRODUITS A PARTIR D'ETHANOL D'ORIGINE BIOLOGIQUE**
[72] SOOKRAJ, SADESH, US
[71] NOVOMER, INC., US
[85] 2018-01-02
[86] 2016-06-30 (PCT/US2016/040567)
[87] (WO2017/004455)
[30] US (62/187,693) 2015-07-01
[30] US (62/188,372) 2015-07-02

[21] **2,991,219**
[13] A1
[51] **Int.Cl. A61M 5/50 (2006.01) A61M 5/28 (2006.01) A61M 5/31 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **SINGLE USE DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION A USAGE UNIQUE**
[72] KOSKA, MARC ANDREW, GB
[71] KOSKA, MARC ANDREW, GB
[85] 2018-01-02
[86] 2016-07-01 (PCT/IB2016/001027)
[87] (WO2017/001919)
[30] US (62/188,114) 2015-07-02

[21] **2,991,221**
[13] A1
[51] **Int.Cl. A61M 5/24 (2006.01) A61M 5/32 (2006.01) A61M 39/24 (2006.01)**
[25] EN
[54] **SINGLE USE DELIVERY DEVICE PREFILLED WITH A RECONSTITUTABLE AGENT**
[54] **DISPOSITIF DE DISTRIBUTION A USAGE UNIQUE PRE-REMPLI D'UN AGENT RECONSTITUABLE**
[72] KOSKA, MARC ANDREW, GB
[71] KOSKA, MARC ANDREW, GB
[85] 2018-01-02
[86] 2016-07-01 (PCT/IB2016/001050)
[87] (WO2017/001925)
[30] US (62/188,137) 2015-07-02

[21] **2,991,226**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/04 (2012.01)**
[25] EN
[54] **METHOD, SYSTEM AND APPARATUS FOR MULTI-SITE PRODUCTION SCHEDULING**
[54] **PROCEDE, SYSTEME ET APPAREIL DE PLANIFICATION DE PRODUCTION MULTISITE**
[72] PARK, CLEMENS, CA
[72] SOBOCINSKI, PAUL, CA
[72] LOMAS, ADAM, CA
[72] CHEONG-KEE-YOU, JASON, CA
[72] WOLOSHYN, CAMERON, CA
[72] LIU, JESSICA, CA
[72] YUEN, JASON A., CA
[72] STEPHENS-WELLS, JENNA, CA
[71] NULOGY CORPORATION, CA
[85] 2018-01-02
[86] 2016-07-04 (PCT/IB2016/054008)
[87] (WO2017/002098)
[30] US (62/188,081) 2015-07-02

[21] **2,991,234**
[13] A1
[51] **Int.Cl. F02D 23/00 (2006.01) F02D 15/02 (2006.01) F02D 41/04 (2006.01)**
[25] EN
[54] **CONTROL METHOD AND CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE**
[54] **PROCEDE DE COMMANDE DISPOSITIF DE COMMANDE POUR MOTEUR A COMBUSTION INTERNE**
[72] TAKAHASHI, EIJI, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-01-02
[86] 2015-07-02 (PCT/JP2015/069094)
[87] (WO2017/002254)

[21] **2,991,235**
[13] A1
[51] **Int.Cl. A61B 5/02 (2006.01) A61B 5/00 (2006.01) A61B 5/021 (2006.01) A61B 5/022 (2006.01) A61B 5/024 (2006.01) A61B 5/026 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF ASSESSING ENDOTHELIAL FUNCTION**
[54] **SYSTEME ET PROCEDE D'EVALUATION DE LA FONCTION ENDOTHELIALE**
[72] LENEHAN, PETER F., US
[72] EVERIST, THOMAS STEPHEN, III, US
[71] EVERIST GENOMICS, INC., US
[85] 2018-01-02
[86] 2016-07-01 (PCT/US2016/040800)
[87] (WO2017/004571)
[30] US (62/187,793) 2015-07-01

[21] **2,991,241**
[13] A1
[51] **Int.Cl. F41A 21/36 (2006.01)**
[25] EN
[54] **MUZZLE DEVICE FOR A PROJECTILE-FIRING DEVICE**
[54] **DISPOSITIF DE BOUCHE DE CANON POUR DISPOSITIF DE MISE A FEU DE PROJECTILE**
[72] SCHARER, CHRISTIAN, CH
[71] SCHARER, CHRISTIAN, CH
[85] 2018-01-03
[86] 2016-07-08 (PCT/CH2016/000102)
[87] (WO2017/004728)
[30] CH (996/15) 2015-07-09

[21] **2,991,245**
[13] A1
[51] **Int.Cl. C09K 8/04 (2006.01) C09K 8/20 (2006.01)**
[25] EN
[54] **MONOVALENT BRINE-BASED RESERVOIR DRILLING FLUID**
[54] **FLUIDE DE FORAGE DE RESERVOIR A BASE DE SAUMURE MONOVALENTE**
[72] EYAA ALLOGO, CLOTAIRE-MARIE, US
[72] RAVITZ, RAYMOND, US
[72] LIM, SOOI KIM, GB
[71] M-I L.L.C., US
[85] 2018-01-02
[86] 2016-07-08 (PCT/US2016/041411)
[87] (WO2017/007978)
[30] US (62/189,990) 2015-07-08

[21] **2,991,250**
[13] A1
[51] **Int.Cl. B01D 46/00 (2006.01) B01D 46/52 (2006.01)**
[25] EN
[54] **HIGH TEMPERATURE FILTER ASSEMBLY**
[54] **ENSEMBLE FILTRE A HAUTE TEMPERATURE**
[72] ENGLUND, FREDRIK, SE
[72] HUGERT, SVERKER, SE
[71] CAMFIL AB, SE
[85] 2018-01-03
[86] 2015-07-10 (PCT/EP2015/065814)
[87] (WO2017/008827)

[21] **2,991,252**
[13] A1
[51] **Int.Cl. A47J 27/16 (2006.01)**
[25] EN
[54] **A PRESSURE COOKING DEVICE**
[54] **DISPOSITIF DE CUISSON SOUS PRESSION**
[72] VAN DILLEN, TIEMEN, NL
[71] KONINKLIJKE PHILPS N.V., NL
[85] 2018-01-03
[86] 2016-06-28 (PCT/EP2016/064932)
[87] (WO2017/005533)
[30] EP (15175668.1) 2015-07-07

[21] **2,991,254**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 25/28 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **FUSION PROTEINS OF HUMAN PROTEIN FRAGMENTS TO CREATE ORDERLY MULTIMERIZED IMMUNOGLOBULIN FC COMPOSITIONS WITH ENHANCED COMPLEMENT BINDING**
[54] **PROTEINES DE FUSION DE FRAGMENTS DE PROTEINES HUMAINES UTILISEES AFIN DE CREER DES COMPOSITIONS FC D'IMMUNOGLOBULINE MULTIMERISEE DE MANIERE ORDONNEE AVEC UNE LIAISON DE COMPLEMENT AMELIOREE**
[72] BLOCK, DAVID S., US
[72] OLSEN, HENRIK, US
[71] GLIKNIK INC., US
[85] 2018-01-02
[86] 2016-07-22 (PCT/US2016/043746)
[87] (WO2017/019565)
[30] US (62/196,478) 2015-07-24

[21] **2,991,255**
[13] A1
[51] **Int.Cl. A61F 7/02 (2006.01) A61F 7/03 (2006.01)**
[25] EN
[54] **HEAT PADS COMPRISING SPIRAL HEAT CELLS**
[54] **COUSSINETS THERMIQUES AVEC CELLULES THERMIQUES EN FORME DE SPIRALE**
[72] WOLLER, KARL-HEINZ, DE
[72] RUCKER, PIA, DE
[72] NIERLE, JENS, DE
[71] BEIERSDORF AG, DE
[85] 2018-01-03
[86] 2016-06-28 (PCT/EP2016/064937)
[87] (WO2017/005536)
[30] DE (10 2015 212 494.0) 2015-07-03

[21] **2,991,257**
[13] A1
[51] **Int.Cl. F04C 15/00 (2006.01) F04C 2/08 (2006.01) F04C 13/00 (2006.01) F04C 14/28 (2006.01)**
[25] EN
[54] **SELF ADJUSTING PUMP FOR ICE CREAM FREEZER**
[54] **POMPE A REGLAGE AUTOMATIQUE POUR CONGELATEUR DE CREME GLACEE**
[72] BENDIXEN, OLE, DK
[72] PETERSEN, ERIK JIMMY WOLF, DK
[72] GYLDENLOV, STEEN, DK
[71] TETRA LAVAL HOLDINGS & FINANCE S.A., CH
[85] 2018-01-03
[86] 2016-07-01 (PCT/EP2016/065539)
[87] (WO2017/005634)
[30] DK (PA 2015 70444) 2015-07-06

[21] **2,991,258**
[13] A1
[51] **Int.Cl. A61K 51/04 (2006.01)**
[25] EN
[54] **BETA AMYLOID STAGING**
[54] **STADIFICATION DE BETA-AMYLOIDES**
[72] BUCKLEY, CHRISTOPHER JOHN, GB
[72] SMITH, ADRIAN, GB
[71] GE HEALTHCARE LIMITED, GB
[85] 2018-01-03
[86] 2016-07-07 (PCT/EP2016/066196)
[87] (WO2017/005876)
[30] GB (1511846.6) 2015-07-07

[21] **2,991,260**
[13] A1
[51] **Int.Cl. A61K 31/59 (2006.01) C07C 401/00 (2006.01)**
[25] EN
[54] **SYNTHESIS AND BIOLOGICAL ACTIVITY OF 2-METHYLENE ANALOGS OF CALCITRIOL AND RELATED COMPOUNDS**
[54] **SYNTHESE ET ACTIVITE BIOLOGIQUE D'ANALOGUES 2-METHYLENE DU CALCITRIOL ET DE COMPOSES APPARENTES**
[72] DELUCA, HECTOR F., US
[72] SIBILSKA, IZABELA K., PL
[72] SICINSKI, RAFAL R., PL
[72] PLUM, LORI A., US
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
[85] 2018-01-02
[86] 2016-07-26 (PCT/US2016/044067)
[87] (WO2017/023617)
[30] US (62/201,341) 2015-08-05

[21] **2,991,261**
[13] A1
[51] **Int.Cl. C07D 213/74 (2006.01) A01N 43/40 (2006.01) C07D 401/04 (2006.01) C07D 417/04 (2006.01)**
[25] EN
[54] **NITROGENOUS HETEROCYCLES AS A PESTICIDE**
[54] **HETEROCYCLES CONTENANT DE L'AZOTE UTILES EN TANT QUE PESTICIDES**
[72] JESCHKE, PETER, DE
[72] GUTBROD, OLIVER, DE
[72] FISCHER, REINER, DE
[72] HELLWEGE, ELKE, DE
[72] LOSEL, PETER, DE
[72] MALSAM, OLGA, DE
[72] EILMUS, SASCHA, DE
[72] ILG, KERSTIN, DE
[72] PORTZ, DANIELA, DE
[72] GORGENS, ULRICH, DE
[72] LISHCHYNSKYI, ANTON, DE
[71] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
[85] 2018-01-03
[86] 2016-07-04 (PCT/EP2016/065655)
[87] (WO2017/005673)
[30] EP (15175448.8) 2015-07-06

[21] **2,991,262**
[13] A1
[51] **Int.Cl. B65D 47/06 (2006.01) B65D 47/08 (2006.01) B65D 55/02 (2006.01)**
[25] EN
[54] **TAMPER-EVIDENT CLOSURE**
[54] **FERMETURE INVIOLABLE**
[72] CERVENY, JEAN-PAUL, FR
[71] NESTEC S.A., CH
[85] 2018-01-03
[86] 2016-07-15 (PCT/EP2016/066905)
[87] (WO2017/013016)
[30] EP (15177383.5) 2015-07-17

[21] **2,991,264**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **TAU-BINDING ANTIBODIES**
[54] **ANTICORPS SE LIANT A TAU**
[72] TYSON, KERRY LOUISE, GB
[72] BAKER, TERENCE SEWARD, GB
[72] MAIRET- COELLO, GEORGES, BE
[72] DOWNEY, PATRICK, BE
[72] COURADE, JEAN-PHILIPPE, BE
[72] KNIGHT, DAVID EDWARD ORMONDE, GB
[71] UCB BIOPHARMA SPRL, BE
[85] 2018-01-03
[86] 2016-07-05 (PCT/EP2016/065809)
[87] (WO2017/005732)
[30] EP (15175519.6) 2015-07-06

[21] **2,991,265**
[13] A1
[51] **Int.Cl. C40B 60/06 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **OPTIMIZED CLINICAL SAMPLE SEQUENCING**
[54] **SEQUENCAGE D'ECHANTILLON CLINIQUE OPTIMISE**
[72] VERGAUWE, NICOLAS, BE
[72] MEERSSEMAN, GEERT, BE
[71] BIOCARTIS NV, BE
[85] 2018-01-03
[86] 2016-07-19 (PCT/EP2016/067148)
[87] (WO2017/013102)
[30] EP (15178159.8) 2015-07-23

[21] **2,991,267**
[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01)**
[25] EN
[54] **AUTOMATED SAMPLE TO NGS LIBRARY PREPARATION**
[54] **ECHANTILLON AUTOMATISE POUR LA PREPARATION D'UNE BIBLIOTHEQUE DE SEQUENCAGE DE NOUVELLE GENERATION**
[72] VERGAUWE, NICOLAS, BE
[72] MEERSSEMAN, GEERT, BE
[71] BIOCARTIS NV, BE
[85] 2018-01-03
[86] 2016-07-19 (PCT/EP2016/067149)
[87] (WO2017/013103)
[30] EP (15178158.0) 2015-07-23

[21] **2,991,269**
[13] A1
[51] **Int.Cl. E04F 15/02 (2006.01)**
[25] EN
[54] **PANEL**
[54] **LATTE**
[72] LOEBEL, ARNE, DE
[72] SCHAEFERS, ERICH, DE
[71] AKZENTA PANEELE + PROFILE GMBH, DE
[85] 2018-01-03
[86] 2016-07-21 (PCT/EP2016/067445)
[87] (WO2017/013222)
[30] DE (10 2015 111 930.7) 2015-07-22

[21] **2,991,271**
[13] A1
[51] **Int.Cl. A61K 31/7052 (2006.01) A61K 31/7084 (2006.01) A61K 31/7088 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **TREATMENT OF MITOCHONDRIAL DISEASES**
[54] **TRAITEMENT DE MALADIES MITOCHONDRIALES**
[72] MARTI SEVES, RAMON, ES
[72] GONZALEZ VIOQUE, EMILIANO, ES
[72] BLAZQUEZ BERMEJO, CORA, ES
[72] TORRES TORRONTERAS, JAVIER, ES
[72] CABRERA PEREZ, RAQUEL, ES
[72] CAMARA NAVARRO, YOLANDA, ES
[71] FUNDACIO HOSPITAL UNIVERSITARI VALL D'HEBRON - INSTITUT DE RECERCA, ES
[71] CENTRO DE INVESTIGACION BIOMEDICA EN RED, ES
[85] 2018-01-02
[86] 2016-06-03 (PCT/EP2016/062636)
[87] (WO2016/193421)
[30] EP (15170825.2) 2015-06-05

[21] **2,991,272**
[13] A1
[51] **Int.Cl. C25C 1/00 (2006.01) C25C 7/00 (2006.01)**
[25] EN
[54] **ELECTRODIC APPARATUS FOR THE ELECTRODEPOSITION OF NON-FERROUS METALS**
[54] **APPAREIL A ELECTRODE POUR L'ELECTRODEPOSITION DE METAUX NON FERREUX**
[72] MOJANA, CORRADO, IT
[72] IACOPETTI, LUCIANO, IT
[72] GOZZO, ANDREA, IT
[72] PAGANO, ROBERTO, IT
[71] INDUSTRIE DE NORA S.P.A., IT
[85] 2018-01-03
[86] 2016-07-22 (PCT/EP2016/067493)
[87] (WO2017/016998)
[30] IT (102015000037944) 2015-07-24

[21] **2,991,276**
[13] A1
[51] **Int.Cl. A61K 31/4188 (2006.01) A61K 31/404 (2006.01) A61K 31/4725 (2006.01) A61K 31/495 (2006.01) A61K 31/496 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMBINATIONS AND THEIR USE**
[54] **ASSOCIATIONS PHARMACEUTIQUES ET LEUR UTILISATION**
[72] HALILOVIC, ENSAR, US
[72] EMERY, CAROLINE, US
[71] NOVARTIS AG, CH
[85] 2018-01-03
[86] 2016-08-11 (PCT/IB2016/054841)
[87] (WO2017/029588)
[30] US (62/205,033) 2015-08-14

[21] **2,991,278**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **BISPECIFIC ANTIBODY CONSTRUCTS BINDING EGFRVIII AND CD3**
[54] **CONSTRUCTIONS D'ANTICORPS BISPECIFIQUES SE LIANT A L'EGFRVIII ET A CD3**
[72] RAUM, TOBIAS, DE
[72] KUFER, PETER, DE
[72] RAU, DORIS, DE
[72] MUENZ, MARKUS, DE
[72] HERRMANN, INES, DE
[72] HOFFMANN, PATRICK, DE
[71] AMGEN RESEARCH (MUNICH) GMBH, DE
[85] 2018-01-03
[86] 2016-08-01 (PCT/EP2016/068332)
[87] (WO2017/021370)
[30] US (62/199,945) 2015-07-31
[30] US (62/290,861) 2016-02-03

[21] **2,991,281**
[13] A1
[51] **Int.Cl. C07D 495/04 (2006.01) A61K 31/4035 (2006.01) A61K 31/407 (2006.01) A61P 31/04 (2006.01) C07D 209/46 (2006.01)**
[25] EN
[54] **ANTIBACTERIAL ANNULATED PYRROLIDIN-2-ONE DERIVATIVES**
[54] **DERIVES DE PYRROLIDIN-2-ONE ANNELES ANTIBACTERIENS**
[72] PANCHAUD, PHILIPPE, CH
[72] SCHMITT, CHRISTINE, CH
[72] SURIVET, JEAN-PHILIPPE, CH
[71] IDORSIA PHARMACEUTICALS LTD, CH
[85] 2018-01-03
[86] 2016-08-26 (PCT/EP2016/070203)
[87] (WO2017/036968)
[30] EP (PCT/EP2015/069757) 2015-08-28

[21] **2,991,284**
[13] A1
[51] **Int.Cl. C08G 18/54 (2006.01) C08G 18/18 (2006.01) C08G 18/22 (2006.01) C08G 18/24 (2006.01) C08G 18/40 (2006.01) C08G 18/42 (2006.01) C08G 18/48 (2006.01)**
[25] EN
[54] **PRODUCTION OF POLYURETHANE FOAM**
[54] **PRODUCTION D'UNE MOUSSE DE POLYURETHANE**
[72] GLOS, MARTIN, DE
[71] EVONIK DEGUSSA GMBH, DE
[85] 2018-01-03
[86] 2016-07-06 (PCT/EP2016/065895)
[87] (WO2017/005760)
[30] EP (15175631.9) 2015-07-07

[21] **2,991,287**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR LOCATING ITEMS IN A FACILITY**
[54] **SYSTEMES ET PROCEDES POUR LOCALISER DES ARTICLES DANS UNE INSTALLATION**
[72] SIMON, PIERRE-MICHEL G., FR
[72] SANSUR, MICHAEL, US
[71] TYCO FIRE & SECURITY GMBH, CH
[85] 2018-01-03
[86] 2016-06-03 (PCT/US2016/035822)
[87] (WO2016/196996)
[30] US (14/730,429) 2015-06-04

[21] **2,991,288**
[13] A1
[51] **Int.Cl. A61B 18/04 (2006.01) A61B 34/30 (2016.01)**
[25] EN
[54] **ARGON BEAM COAGULATION FLEX PROBE FOR LAPAROSCOPIC SURGERY**
[54] **SONDE FLEXIBLE DE COAGULATION A FAISCEAU D'ARGON POUR CHIRURGIE LAPAROSCOPIQUE**
[72] BOJANOWSKI, MICHAEL, US
[72] SANKHOLKAR, SACHIN A., US
[71] CONMED CORPORATION, US
[85] 2018-01-03
[86] 2015-12-28 (PCT/US2015/067566)
[87] (WO2017/007506)
[30] US (29/532,410) 2015-07-07
[30] US (14/878,356) 2015-10-08

[21] **2,991,290**
[13] A1
[51] **Int.Cl. F25J 1/00 (2006.01) F25J 1/02 (2006.01) F25J 3/02 (2006.01)**
[25] EN
[54] **INCREASING EFFICIENCY IN AN LNG PRODUCTION SYSTEM BY PRE-COOLING A NATURAL GAS FEED STREAM**
[54] **AUGMENTATION DE L'EFFICACITE DANS UN SYSTEME DE PRODUCTION DE GNL PAR PRE-REFROIDISSEMENT D'UN FLUX D'ALIMENTATION EN GAZ NATUREL**
[72] PIERRE, FRITZ, US
[72] GUPTE, PARAG A., US
[72] HUNTINGTON, RICHARD A., US
[72] DENTON, ROBERT D., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2018-01-03
[86] 2016-06-14 (PCT/US2016/037377)
[87] (WO2017/011124)
[30] US (62/192,657) 2015-07-15

[21] **2,991,292**
[13] A1
[51] **Int.Cl. A47J 36/04 (2006.01) B05D 5/08 (2006.01) B05D 7/14 (2006.01) C09D 127/00 (2006.01)**
[25] FR
[54] **COOKING ITEM INCLUDING A FLUOROCARBON RESIN AND RARE EARTH OXIDE COATING, AND METHOD FOR MANUFACTURING SAID ITEM**
[54] **ARTICLE CULINAIRE COMPRENANT UN REVETEMENT A BASE DE RESINE FLUORO-CARBONEE ET D'OXYDE DE TERRE RARE ET PROCEDE DE FABRICATION DE CET ARTICLE**
[72] POLESEL MARIS, JEROME, FR
[72] CAILLIER, LAURENT, FR
[72] DUBANCHET, AURELIEN, FR
[71] SEB S.A., FR
[85] 2018-01-03
[86] 2016-07-19 (PCT/FR2016/051858)
[87] (WO2017/013352)
[30] FR (1556846) 2015-07-20

[21] **2,991,295**
[13] A1
[51] **Int.Cl. C07K 14/325 (2006.01) A01N 63/02 (2006.01) C12N 15/75 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR CONTROLLING PLANT PESTS**
[54] **COMPOSITIONS ET PROCEDES DE LUTTE CONTRE LES PHYTORAVAGEURS**
[72] BRAMLETT, MATTHEW RICHARD, BE
[72] SEGUIN, KATHERINE, US
[72] KRAMER, VANCE CARY, US
[72] ROSE, MARK SCOTT, US
[71] SYNGENTA PARTICIPATIONS AG, CH
[85] 2018-01-03
[86] 2016-06-30 (PCT/US2016/040382)
[87] (WO2017/007679)
[30] US (62/189,573) 2015-07-07

[21] **2,991,297**
[13] A1
[51] **Int.Cl. A61L 27/00 (2006.01) A61L 27/36 (2006.01) A61L 27/38 (2006.01) A61L 27/40 (2006.01) C12M 1/00 (2006.01) C12M 1/14 (2006.01) C12M 3/00 (2006.01)**
[25] EN
[54] **VASCULARIZED IN VITRO PERFUSION DEVICES, METHODS OF FABRICATING, AND APPLICATIONS THEREOF**
[54] **DISPOSITIFS DE PERFUSION IN VITRO VASCULARISEE, PROCEDES DE FABRICATION, ET APPLICATIONS DE CEUX-CI**
[72] GOLWAY, MICHAEL W., US
[72] HOYING, JAMES B., US
[71] ADVANCED SOLUTIONS LIFE SCIENCES, LLC, US
[85] 2018-01-03
[86] 2016-07-06 (PCT/US2016/041034)
[87] (WO2017/007786)
[30] US (62/188,803) 2015-07-06
[30] US (62/279,019) 2016-01-15

[21] **2,991,298**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01)**
[25] EN
[54] **FUSION MOLECULES**
[54] **MOLECULES HYBRIDES**
[72] CORVEY, CARSTEN, DE
[72] STUMP, HEIKE, DE
[72] KRUIP, JOCHEN, DE
[72] LANGE, CHRISTIAN, DE
[72] FOCKEN, INGO, DE
[72] RAT, DOROTHEA, DE
[72] STUEDEMANN, THOMAS, DE
[72] RASSER, HANS-FALK, DE
[72] SCHAEFER, JUERGEN, DE
[72] CALANDRA, BERNHARD, FR
[72] REY, ASTRID, FR
[72] MOUREZ, MICHAEL, FR
[72] FRAISSE, LAURENT, FR
[72] ROTHE, CHRISTINE, DE
[72] ALLERSDORFER, ANDREA, DE
[72] WIEDENMANN, ALEXANDER, DE
[72] HINNER, MARLON, DE
[72] LUNDE, BRADLEY, US
[72] JENSEN, KRISTIAN, DE
[72] HULSMEYER, MARTIN, DE
[71] SANOFI, FR
[85] 2018-01-03
[86] 2016-07-06 (PCT/EP2016/065899)
[87] (WO2017/005763)
[30] EP (15306106.4) 2015-07-07

[21] **2,991,300**
[13] A1
[51] **Int.Cl. A61C 17/02 (2006.01) A61C 5/40 (2017.01) A61C 5/50 (2017.01)**
[25] EN
[54] **APPARATUSES FOR EVACUATION OF A ROOT CANAL AND METHODS OF USING SAME**
[54] **APPAREILS POUR L'EVACUATION D'UN CANAL RADICULAIRE ET LEURS PROCEDES D'UTILISATION**
[72] BOSISIO, MATTEO, CH
[72] MEHRABI, M. REZA, US
[72] MARETTO, EMANUELE, US
[72] SOUNDARARAJAN, GOPIKRISHNAN, US
[72] HEWETT, CARL GORDON, GB
[72] CHANDLER, MATTHEW DANIEL, GB
[72] GLICKER, BRIAN, US
[71] ORMCO CORPORATION, US
[85] 2018-01-03
[86] 2016-07-13 (PCT/US2016/042002)
[87] (WO2017/011507)
[30] US (62/191,845) 2015-07-13
[30] US (62/220,534) 2015-09-18

[21] **2,991,302**
[13] A1
[51] **Int.Cl. C11D 1/72 (2006.01) C11D 1/825 (2006.01) C11D 3/40 (2006.01) C11D 3/43 (2006.01) C11D 17/04 (2006.01)**
[25] EN
[54] **COMPACTED LIQUID LAUNDRY TREATMENT COMPOSITION**
[54] **COMPOSITION DE TRAITEMENT DE LINGE LIQUIDE COMPACTEE**
[72] MAES, JEF ANNIE ALFONS, BE
[72] BODET, JEAN-FRANCOIS, BE
[72] MATTHYS, BRUNO JEAN-PIERRE, BE
[72] MIRACLE, GREGORY SCOT, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-01-03
[86] 2016-07-05 (PCT/US2016/040927)
[87] (WO2017/007743)
[30] EP (15175977.6) 2015-07-09

[21] **2,991,305**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01)**
[25] EN
[54] **METHODS OF PREPARING CYTOTOXIC BENZODIAZEPINE DERIVATIVES**
[54] **PROCEDES DE PREPARATION DE DERIVES DE BENZODIAZEPINE CYTOTOXIQUES**
[72] GERARD, BAUDOUIN, US
[72] SHIZUKA, MANAMI, US
[72] MILLER, MICHAEL LOUIS, US
[72] SILVA, RICHARD A., US
[71] IMMUNOGEN, INC., US
[85] 2018-01-03
[86] 2016-07-21 (PCT/US2016/043414)
[87] (WO2017/015502)
[30] US (62/195,023) 2015-07-21
[30] US (62/327,973) 2016-04-26

[21] **2,991,306**
[13] A1
[51] **Int.Cl. C11D 1/72 (2006.01) C11D 1/825 (2006.01) C11D 3/40 (2006.01) C11D 3/43 (2006.01)**
[25] EN
[54] **METHOD OF PRETREATING FABRICS**
[54] **PROCEDE DE PRETRAITEMENT DES TISSUS**
[72] MAES, JEF ANNIE ALFONS, BE
[72] BODET, JEAN-FRANCOIS, BE
[72] MATTHYS, BRUNO JEAN-PIERRE, BE
[72] MIRACLE, GREGORY SCOT, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-01-03
[86] 2016-07-05 (PCT/US2016/040928)
[87] (WO2017/007744)
[30] EP (15175978.4) 2015-07-09

[21] **2,991,307**
[13] A1
[51] **Int.Cl. B60W 40/10 (2012.01) B60W 50/02 (2012.01) B66F 9/06 (2006.01) B60W 50/00 (2006.01)**
[25] EN
[54] **DIAGNOSTIC SUPERVISOR TO DETERMINE IF A TRACTION SYSTEM IS IN A FAULT CONDITION**
[54] **SUPERVISEUR DE DIAGNOSTIC POUR DETERMINER SI UN SYSTEME DE TRACTION SE TROUVE DANS UN ETAT DE PANNE**
[72] MANGETTE, STEPHEN T., US
[72] HAMMER, JOE K., US
[72] BARNHART, BRENT A., US
[71] CROWN EQUIPMENT CORPORATION, US
[85] 2018-01-03
[86] 2016-08-11 (PCT/US2016/046460)
[87] (WO2017/030879)
[30] US (62/205,092) 2015-08-14

[21] **2,991,312**
[13] A1
[51] **Int.Cl. B60W 40/10 (2012.01) B60W 50/02 (2012.01) B66F 9/06 (2006.01) B60W 50/00 (2006.01)**
[25] EN
[54] **STEERING AND TRACTION APPLICATIONS FOR DETERMINING A STEERING CONTROL ATTRIBUTE AND A TRACTION CONTROL ATTRIBUTE**
[54] **APPLICATIONS DE DIRECTION ET DE TRACTION POUR DETERMINER UN ATTRIBUT DE COMMANDE DE DIRECTION ET UN ATTRIBUT DE COMMANDE DE TRACTION**
[72] MANGETTE, STEPHEN T., US
[72] HAMMER, JOE K., US
[72] BARNHART, BRENT A., US
[71] CROWN EQUIPMENT CORPORATION, US
[85] 2018-01-03
[86] 2016-08-11 (PCT/US2016/046466)
[87] (WO2017/030882)
[30] US (62/205,092) 2015-08-14

[21] **2,991,315**
[13] A1
[51] **Int.Cl. B01F 11/02 (2006.01) A61K 9/16 (2006.01)**
[25] EN
[54] **ACOUSTIC MIXING FOR AUTO GRANULATION**
[54] **MELANGE ACOUSTIQUE POUR GRANULATION AUTOMATIQUE**
[72] GAO, PING, US
[72] HO, RAIMUNDO, US
[72] JAYANTH, JAYANTHY, US
[72] MUKHERJEE, SAMRAT, US
[72] PETERSON, KATHERINE E., US
[72] STRONG, JOHN C., US
[72] TONG, PING, US
[72] ZHANG, GEOFF G., US
[71] ABBVIE INC., US
[85] 2018-01-03
[86] 2016-07-07 (PCT/US2016/041275)
[87] (WO2017/007895)
[30] US (62/189,677) 2015-07-07

[21] **2,991,326**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01)**
[25] EN
[54] **METHODS OF PREPARING CYTOTOXIC BENZODIAZEPINE DERIVATIVES**
[54] **PROCEDES DE PREPARATION DE DERIVES DE BENZODIAZEPINE CYTOTOXIQUES**
[72] GERARD, BAUDOUIN, US
[72] SHIZUKA, MANAMI, US
[72] MILLER, MICHAEL LOUIS, US
[72] SILVA, RICHARD A., US
[71] IMMUNOGEN, INC., US
[85] 2018-01-03
[86] 2016-07-21 (PCT/US2016/043402)
[87] (WO2017/015495)
[30] US (62/195,023) 2015-07-21
[30] US (62/327,973) 2016-04-26

[21] **2,991,330**
[13] A1
[51] **Int.Cl. E21B 47/12 (2012.01) E21B 47/13 (2012.01) H04B 10/00 (2013.01)**
[25] EN
[54] **ELECTROMAGNETIC TELEMETRY USING CAPACITIVE ELECTRODES**
[54] **TELEMESURE ELECTROMAGNETIQUE UTILISANT DES ELECTRODES CAPACITIVES**
[72] WILSON, GLENN ANDREW, SG
[72] COOPER, PAUL ANDREW, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-01-03
[86] 2016-08-03 (PCT/US2016/045438)
[87] (WO2017/024083)
[30] US (62/200,432) 2015-08-03

[21] **2,991,331**
[13] A1
[51] **Int.Cl. A61M 5/315 (2006.01) A61M 5/31 (2006.01)**
[25] FR
[54] **SYRINGE AND METHOD FOR ASSEMBLING IT**
[54] **SERINGUE ET SON PROCEDE D'ASSEMBLAGE**
[72] CACLIN, JEROME, FR
[71] GUERBET, FR
[85] 2018-01-02
[86] 2016-07-08 (PCT/EP2016/066319)
[87] (WO2017/005914)
[30] FR (1556463) 2015-07-08

[21] **2,991,333**
[13] A1
[51] **Int.Cl. G06Q 20/02 (2012.01) G06Q 20/12 (2012.01) G06Q 20/32 (2012.01) G06Q 20/40 (2012.01) G06Q 20/42 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR AUTHENTICATING A USER**
[54] **PROCEDE ET SYSTEME D'AUTHENTIFICATION D'UN UTILISATEUR**
[72] GURTLER, MARKUS, AT
[72] KOPPEL, ALEXANDER, AT
[72] RANDA, FLORIAN, AT
[71] FINPIN TECHNOLOGIES GMBH, AT
[85] 2018-01-04
[86] 2015-07-07 (PCT/EP2015/065458)
[87] (WO2016/005377)
[30] EP (14176007.4) 2014-07-07

[21] **2,991,338**
[13] A1
[51] **Int.Cl. C07D 241/12 (2006.01) A61K 31/497 (2006.01) A61P 7/02 (2006.01) A61P 9/00 (2006.01) A61P 9/10 (2006.01) A61P 11/00 (2006.01) A61P 21/00 (2006.01) A61P 21/04 (2006.01) A61P 25/14 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 27/06 (2006.01)**
[25] EN
[54] **NEW PYRAZINE DERIVATIVE, AND PREPARATION METHOD AND MEDICAL APPLICATION THEREOF**
[54] **NOUVEAU DERIVE DE LA PYRAZINE, AINSI QUE SON PROCEDE DE PREPARATION ET SON UTILISATION MEDICALE**
[72] WANG, YUQIANG, CN
[72] YU, PEI, CN
[72] SUN, YEWEI, CN
[72] SHAN, LUCHEN, CN
[72] ZHANG, GAOXIAO, CN
[72] ZHANG, ZAIJUN, CN
[72] YI, PENG, CN
[71] GUANGZHOU MAGPIE PHARMACEUTICALS CO., LTD., CN
[85] 2018-01-04
[86] 2016-07-04 (PCT/CN2016/000360)
[87] (WO2017/004966)
[30] CN (201510397137.X) 2015-07-07

---

[21] **2,991,343**
[13] A1
[51] **Int.Cl. A23G 1/00 (2006.01) A23G 1/32 (2006.01)**
[25] EN
[54] **CHOCOLATE, CHOCOLATE-LIKE PRODUCTS, CHOCOLATE CONSTRUCTION KIT AND METHODS FOR PREPARING THE SAME**
[54] **CHOCOLAT, PRODUITS DE TYPE CHOCOLAT, KIT DE FABRICATION DE CHOCOLAT ET PROCEDES DE PREPARATION DE CHOCOLAT**
[72] HUHN, TILO, CH
[71] ODC LIZENZ AG, CH
[85] 2018-01-04
[86] 2016-07-08 (PCT/EP2016/001179)
[87] (WO2017/005371)
[30] EP (15002046.9) 2015-07-08

---

[21] **2,991,345**
[13] A1
[51] **Int.Cl. G01N 33/92 (2006.01)**
[25] EN
[54] **METHOD FOR THE DIAGNOSIS OF FARBER'S DISEASE**
[54] **PROCEDE POUR LE DIAGNOSTIC DE LA MALADIE DE FARBER**
[72] ROLFS, ARNDT, DE
[72] COZMA, CLAUDIA, DE
[71] CENTOGENE AG, DE
[85] 2018-01-04
[86] 2016-07-08 (PCT/EP2016/001182)
[87] (WO2017/005374)
[30] EP (EP15002041.0) 2015-07-08

---

[21] **2,991,347**
[13] A1
[51] **Int.Cl. B32B 7/06 (2006.01) B32B 27/08 (2006.01) B32B 27/28 (2006.01) B32B 27/32 (2006.01) B65D 5/60 (2006.01) B65D 65/02 (2006.01) B65D 65/40 (2006.01) C08J 5/18 (2006.01)**
[25] EN
[54] **A MULTILAYER POLYOLEFIN FILM CAPABLE OF LINEAR TEAR PROPAGATION**
[54] **FILM MULTICOUCHE EN POLYOLEFINE DECHIRABLE LINEAIREMENT**
[72] SCHUMANN, MICHAEL, DE
[72] SITZMANN, STEFAN, DE
[72] ZIRKEL, LARISSA, DE
[72] GERLACHER, HARALD, DE
[72] SCHMIDT, WERNER, DE
[71] INFIANA GERMANY GMBH & CO. KG, DE
[85] 2018-01-04
[86] 2016-07-27 (PCT/EP2016/001295)
[87] (WO2017/016660)
[30] DE (10 2015 009 546.3) 2015-07-28
[30] DE (10 2015 017 119.4) 2015-07-28
[30] DE (10 2016 006 065.4) 2016-05-19

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[21] **2,991,352**
[13] A1
[51] **Int.Cl. A62B 35/00 (2006.01) A63B 29/02 (2006.01)**
[25] EN
[54] **SELF BELAY ARRANGEMENT FOR CLIMBING APPLICATIONS**
[54] **DISPOSITIF D'AUTO-ASSURAGE POUR DES APPLICATIONS D'ESCALADE**
[72] PETROV, DIMITAR MIHAYLOV, BG
[72] TAPANKOV, MARTIN NIKOLAEV, BG
[71] SAFETY ENGINEERING LTD., BG
[85] 2018-01-04
[86] 2016-06-23 (PCT/EP2016/064609)
[87] (WO2017/005504)
[30] EP (15175912.3) 2015-07-08

---

[21] **2,991,356**
[13] A1
[51] **Int.Cl. F16L 1/20 (2006.01) F16L 1/235 (2006.01)**
[25] EN
[54] **FIELD JOINT TRANSFER SYSTEM**
[54] **SYSTEME DE TRANSFERT DE JOINT DE MONTAGE**
[72] ARDAVANIS, KIMON TULLIO, AE
[72] DANEY, LAURENT, AE
[71] PETROFAC SERVICES LTD., GB
[85] 2018-01-04
[86] 2016-07-06 (PCT/EP2016/066047)
[87] (WO2017/005821)
[30] GB (1511775.7) 2015-07-06

---

[21] **2,991,358**
[13] A1
[51] **Int.Cl. G06F 19/00 (2018.01)**
[25] FR
[54] **MEDICAL DIAGNOSIS ASSISTANCE METHOD**
[54] **PROCEDE D'AIDE AU DIAGNOSTIC MEDICAL**
[72] DHOMBRES, FERDINAND, FR
[72] JOUANNIC, JEAN-MARIE, FR
[72] JAUNIAUX, ERIC, GB
[72] MALENGREZ, PASCAL, FR
[72] MAURICE, PAUL, FR
[71] UNIVERSITE PIERRE ET MARIE CURIE (PARIS 6), FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS, FR
[85] 2018-01-04
[86] 2016-07-01 (PCT/EP2016/065492)
[87] (WO2017/009070)
[30] FR (1556591) 2015-07-10

[21] **2,991,360**
[13] A1
[51] **Int.Cl. C07D 235/08 (2006.01) A61K 31/4184 (2006.01) A61K 31/427 (2006.01) C07D 235/18 (2006.01) C07D 403/06 (2006.01) C07D 417/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **2-ARYL- AND 2-ARYLALKYL-BENZIMIDAZOLES AS MIDH1 INHIBITORS**
[54] **2-ARYL- ET 2-ARYLALKYL-BENZIMIDAZOLES UTILISES COMME INHIBITEURS DE MIDH1**
[72] PANKNIN, OLAF, DE
[72] ZIMMERMANN, KATJA, DE
[72] NEUHAUS, ROLAND, DE
[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[85] 2018-01-04
[86] 2016-07-04 (PCT/EP2016/065656)
[87] (WO2017/005674)
[30] EP (15175723.4) 2015-07-07

[21] **2,991,362**
[13] A1
[51] **Int.Cl. F41F 1/08 (2006.01) F41A 11/02 (2006.01) F41A 17/16 (2006.01) F41A 19/18 (2006.01) F41A 21/06 (2006.01) F41A 21/48 (2006.01)**
[25] EN
[54] **WEAPON WITH A BARREL CLUSTER**
[54] **ARME POURVUE D'UN FAISCEAU DE TUBES**
[72] SCHNEIDER, HUBERT, DE
[71] RHEINMETALL WAFFE MUNITION GMBH, DE
[85] 2018-01-04
[86] 2016-07-05 (PCT/EP2016/065863)
[87] (WO2017/009116)
[30] DE (10 2015 008 796.7) 2015-07-10

[21] **2,991,363**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **FUSION PROTEINS WHICH BIND TO HUMAN FC RECEPTORS**
[54] **PROTEINES HYBRIDES DE LIAISON A DES RECEPTEURS FC HUMAINS**
[72] GRIFFIN, ROBERT ANTHONY, GB
[72] HUMPHREYS, DAVID PAUL, GB
[72] PETERS, SHIRLEY JANE, GB
[71] UCB BIOPHARMA SPRL, BE
[85] 2018-01-04
[86] 2016-07-06 (PCT/EP2016/065914)
[87] (WO2017/005767)
[30] GB (1511787.2) 2015-07-06

[21] **2,991,364**
[13] A1
[51] **Int.Cl. C12N 15/82 (2006.01)**
[25] EN
[54] **METHOD FOR GENE OPTIMIZATION**
[54] **PROCEDE D'OPTIMISATION GENIQUE**
[72] PAUL, WYATT, FR
[72] TEMME, NORA, DE
[71] GENECTIVE, FR
[85] 2018-01-04
[86] 2016-07-06 (PCT/EP2016/066045)
[87] (WO2017/005819)
[30] EP (15306105.6) 2015-07-06

[21] **2,991,365**
[13] A1
[51] **Int.Cl. G06K 9/00 (2006.01) G01J 3/28 (2006.01) G06K 9/42 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR TRANSFORMING SPECTRAL IMAGES**
[54] **PROCEDE ET SYSTEME DE TRANSFORMATION D'IMAGES SPECTRALES**
[72] LIVENS, STEFAN, BE
[72] DELAURE, BAVO, BE
[71] VITO NV, BE
[85] 2018-01-04
[86] 2016-07-07 (PCT/EP2016/066201)
[87] (WO2017/005881)
[30] EP (15175750.7) 2015-07-07

[21] **2,991,368**
[13] A1
[51] **Int.Cl. C12P 21/00 (2006.01) C12N 9/24 (2006.01) C12N 9/90 (2006.01)**
[25] EN
[54] **CELLS PRODUCING GLYCOPROTEINS HAVING ALTERED N- AND O-GLYCOSYLATION PATTERNS AND METHODS AND USE THEREOF**
[54] **CELLULES PRODUISANT DES GLYCOPROTEINES AYANT SUBI UNE MODIFICATION DES MOTIFS DE GLYCOSYLATION N ET O, AINSI QUE PROCEDES ET UTILISATION ASSOCIES**
[72] CALLEWAERT, NICO, BE
[72] MEURIS, LEANDER, BE
[72] SANTENS, FRANCIS, BE
[71] VIB VZW, BE
[71] UNIVERSITEIT GENT, BE
[85] 2018-01-04
[86] 2016-07-08 (PCT/EP2016/066362)
[87] (WO2017/005925)
[30] EP (15176111.1) 2015-07-09

[21] **2,991,370**
[13] A1
[51] **Int.Cl. B61B 12/00 (2006.01)**
[25] EN
[54] **CHAIR FOR A CHAIRLIFT**
[54] **SIEGE POUR TELESIEGE**
[72] SUTTERLUTY, ANDREAS, AT
[71] INNOVA PATENT GMBH, AT
[85] 2018-01-04
[86] 2016-07-11 (PCT/EP2016/066421)
[87] (WO2017/005932)
[30] AT (A 451/2015) 2015-07-09

[21] **2,991,371**
[13] A1
[51] **Int.Cl. B61B 12/00 (2006.01)**
[25] EN
[54] **CHAIR FOR A CHAIRLIFT**
[54] **SIEGE POUR TELESIEGE**
[72] SUTTERLUTY, ANDREAS, AT
[72] PASSLER, RENE, AT
[71] INNOVA PATENT GMBH, AT
[85] 2018-01-04
[86] 2016-07-11 (PCT/EP2016/066432)
[87] (WO2017/005934)
[30] AT (A452/2015) 2015-07-09

[21] **2,991,374**
[13] A1
[51] **Int.Cl. B29C 41/00 (2006.01) B65D 85/804 (2006.01)**
[25] EN
[54] **CAPSULE CONTAINING BEVERAGE POWDER, IN PARTICULAR FOR PREPARING BREWED COFFEE**
[54] **CAPSULE CONTENANT DE LA POUDRE POUR BOISSON, EN PARTICULIER SERVANT A LA PREPARATION DE CAFE INFUSE**
[72] NICKEL, AXEL, DE
[71] SWISS COFFEE INNOVATION AG, CH
[85] 2018-01-04
[86] 2016-07-07 (PCT/EP2016/066197)
[87] (WO2017/005877)
[30] EP (15175704.4) 2015-07-07

[21] **2,991,375**
[13] A1
[51] **Int.Cl. B65D 47/08 (2006.01)**
[25] EN
[54] **HINGED CLOSURE FOR A CONTAINER**
[54] **FERMETURE ARTICULEE POUR UN CONTENANT**
[72] CERVENY, JEAN-PAUL, FR
[71] NESTEC S.A., CH
[85] 2018-01-04
[86] 2016-07-21 (PCT/EP2016/067454)
[87] (WO2017/013226)
[30] EP (15177905.5) 2015-07-22

[21] **2,991,377**
[13] A1
[51] **Int.Cl. C12N 15/82 (2006.01) A01H 5/00 (2018.01) C12N 15/52 (2006.01)**
[25] EN
[54] **IMPROVEMENT OF PLANT YIELD**
[54] **AMELIORATION DE RENDEMENT DE PLANTES**
[72] HIREL, BERTRAND, FR
[72] PEREZ, PASCUAL, FR
[71] GENOPLANTE-VALOR, FR
[85] 2018-01-04
[86] 2016-09-02 (PCT/EP2016/070759)
[87] (WO2017/037255)
[30] EP (15306362.3) 2015-09-04

[21] **2,991,378**
[13] A1
[51] **Int.Cl. G06F 19/00 (2018.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR VISUALIZING DIGITAL BREAST TOMOSYNTHESIS AND ANONYMIZED DISPLAY DATA EXPORT**
[54] **APPAREIL ET PROCEDE POUR VISUALISER UNE TOMOSYNTHESE MAMMAIRE NUMERIQUE ET EXPORTATION DE DONNEES D'AFFICHAGE RENDUES ANONYMES**
[72] WESTERHOFF, MALTE, DE
[72] STALLING, DETLEV, DE
[71] PME IP PTY. LTD., AU
[85] 2018-01-04
[86] 2016-07-27 (PCT/EP2016/067886)
[87] (WO2017/017132)
[30] US (62/197,956) 2015-07-28
[30] US (62/199,630) 2015-07-31
[30] US (15/218,972) 2016-07-25
[30] US (15/218,993) 2016-07-25

[21] **2,991,379**
[13] A1
[51] **Int.Cl. B60W 20/10 (2016.01) B60K 6/48 (2007.10) B60W 10/06 (2006.01) B60W 20/00 (2016.01) B60W 50/00 (2006.01)**
[25] EN
[54] **METHOD FOR THE ANTICIPATORY STARTING OF A HEAT ENGINE**
[54] **PROCEDE D'ANTICIPATION DU DEMARRAGE D'UN MOTEUR THERMIQUE**
[72] LE CAM, FLORENT, FR
[72] ROUDEAU, FREDERIC, FR
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-01-04
[86] 2016-01-14 (PCT/FR2016/050060)
[87] (WO2017/005996)
[30] FR (1556428) 2015-07-07

[21] **2,991,380**
[13] A1
[51] **Int.Cl. A61F 5/14 (2006.01)**
[25] EN
[54] **ORTHOTIC INSOLE FOR FOOTWEAR WITH AN ATTACHABLE ANGLE INSERT FOR CORRECTING OVER PRONATION OR SUPINATION OF A FOOT**
[54] **SEMELLE INTERIEURE D'ORTHESE POUR CHAUSSURE AVEC UN INSERT D'ANGLE POUVANT ETRE ATTACHE POUR CORRIGER UNE PRONATION OU SUPINATION EXCESSIVE D'UN PIED**
[72] PEDERSEN, MICHAEL, US
[72] SPIEGEL, PETER, US
[72] BARAVARIAN, BABAK, US
[71] IDEAL LIVING VENTURES LIMITED, CN
[85] 2018-01-04
[86] 2015-12-08 (PCT/IB2015/002316)
[87] (WO2017/006150)
[30] US (14/792,751) 2015-07-07

[21] **2,991,381**
[13] A1
[51] **Int.Cl. F16H 61/04 (2006.01) B60K 6/48 (2007.10)**
[25] EN
[54] **METHOD FOR CONTROLLING THE POSITION OF A GEARBOX ACTUATOR**
[54] **PROCEDE DE CONTROLE DE POSITION D'UN ACTIONNEUR DE BOITE DE VITESSES**
[72] MERIENNE, LUDOVIC, FR
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-01-04
[86] 2016-06-15 (PCT/FR2016/051438)
[87] (WO2017/006005)
[30] FR (1556429) 2015-07-07

[21] **2,991,384**
[13] A1
[51] **Int.Cl. C07C 59/76 (2006.01) A61K 39/395 (2006.01) A61K 45/06 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07C 237/52 (2006.01) C07D 207/46 (2006.01) C07D 417/14 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **SPECIFIC CONJUGATION OF A CELL-BINDING MOLECULE**
[54] **CONJUGAISON SPECIFIQUE D'UNE MOLECULE DE LIAISON CELLULAIRE**
[72] ZHAO, ROBERT YONGXIN, US
[71] SUZHOU M-CONJ BIOTECH CO., LTD, CN
[85] 2018-01-04
[86] 2015-07-04 (PCT/IB2015/055051)
[87] (WO2015/151080)

[21] **2,991,393**
[13] A1
[51] **Int.Cl. B41J 2/045 (2006.01) B41J 2/21 (2006.01)**
[25] EN
[54] **METHOD FOR ACTUATING AN INKJET PRINT HEAD**
[54] **PROCEDE DE COMMANDE D'UNE TETE D'IMPRESSION A JET D'ENCRE**
[72] FRANCK, JAN, DE
[71] FRANCK, JAN, DE
[85] 2018-01-04
[86] 2016-07-11 (PCT/IB2016/000986)
[87] (WO2017/009705)
[30] DE (10 2015 009 117.4) 2015-07-13
[30] DE (10 2015 009 101.8) 2015-07-17

[21] **2,991,395**
[13] A1
[51] **Int.Cl. E21B 17/042 (2006.01) F16L 15/00 (2006.01)**
[25] EN
[54] **THREADED CONNECTION HAVING HIGH GALLING RESISTANCE AND METHOD OF MAKING SAME**
[54] **RACCORD FILETE PRESENTANT UNE HAUTE RESISTANCE AU GRIPPAGE ET SON PROCEDE DE FABRICATION**
[72] ALARIA, ALBERTO, IT
[72] CANAVERA, ANGELO, IT
[71] PEGASUS S.R.L., IT
[85] 2018-01-04
[86] 2016-07-06 (PCT/IB2016/054051)
[87] (WO2017/006262)
[30] US (14/792,077) 2015-07-06

[21] **2,991,397**
[13] A1
[51] **Int.Cl. B32B 5/30 (2006.01) A41D 13/00 (2006.01) A41D 31/00 (2006.01) A62B 17/00 (2006.01) A62B 23/00 (2006.01) A62D 5/00 (2006.01) B32B 7/14 (2006.01) B32B 33/00 (2006.01) C09J 5/08 (2006.01)**
[25] EN
[54] **TEXTILE PROTECTIVE MATERIAL OF A NEW TYPE AND METHOD FOR PRODUCING SAME**
[54] **MATERIAU TEXTILE PROTECTEUR INNOVANT ET PROCEDE DE FABRICATION DE CELUI-CI**
[72] BOEHRINGER, BERTRAM, DE
[72] CARSTENSEN, ANNA, DE
[72] NGUYEN, CONG MINH, DE
[71] BLUCHER GMBH, DE
[85] 2018-01-03
[86] 2016-05-12 (PCT/EP2016/060688)
[87] (WO2017/016694)
[30] DE (10 2015 009 687.7) 2015-07-25
[30] DE (10 2015 112 381.9) 2015-07-29
[30] DE (10 2015 113 213.3) 2015-08-11

[21] **2,991,398**
[13] A1
[51] **Int.Cl. A61K 51/10 (2006.01) A61P 35/00 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **RADIOLABELLED ANTIBODY FRAGMENTS FOR USE IN TREATING CANCER**
[54] **FRAGMENTS D'ANTICORPS RADIOMARQUES PERMETTANT UNE UTILISATION DANS LE TRAITEMENT DU CANCER**
[72] LAHOUTTE, TONY, BE
[72] D'HUYVETTER, MATTHIAS, BE
[72] DE VOS, JENS, BE
[72] DEVOOGDT, NICK, BE
[71] VRIJE UNIVERSITEIT BRUSSEL, BE
[85] 2018-01-03
[86] 2016-07-15 (PCT/EP2016/066934)
[87] (WO2017/013026)
[30] US (62/193,700) 2015-07-17
[30] EP (16153372.4) 2016-01-29

[21] **2,991,403**
[13] A1
[51] **Int.Cl. A61M 27/00 (2006.01) A61F 13/00 (2006.01) A61M 1/00 (2006.01)**
[25] EN
[54] **MULTI-ORIENTATION FLUID MANAGEMENT**
[54] **GESTION DE FLUIDE A ORIENTATIONS MULTIPLES**
[72] LOCKE, CHRISTOPHER, BRIAN, GB
[72] ROBINSON, TIMOTHY, MARK, GB
[71] KCI LICENSING, INC., US
[85] 2018-01-03
[86] 2016-07-01 (PCT/US2016/040817)
[87] (WO2017/007724)
[30] US (62/189,609) 2015-07-07

[21] **2,991,405**
[13] A1
[51] **Int.Cl. F02D 19/06 (2006.01) F02M 21/02 (2006.01) F02M 21/04 (2006.01)**
[25] EN
[54] **DUAL FUEL SYSTEM FOR A COMBUSTION ENGINE**
[54] **SYSTEME BICARBURANT POUR MOTEUR A COMBUSTION INTERNE**
[72] SORGE, GREGORY WALTER, US
[72] WENTZ, JARED JOSEPH, US
[72] ROLL, MICHAEL THOMAS, US
[72] LINDBLAD, AMY ANN, US
[72] PRATT, JERROLD ARTHUR, US
[71] GENERAL ELECTRIC COMPANY, US
[85] 2018-01-04
[86] 2016-06-23 (PCT/US2016/038880)
[87] (WO2017/011163)
[30] US (14/796,768) 2015-07-10

[21] **2,991,406**
[13] A1
[51] **Int.Cl. A61C 8/00 (2006.01) A61C 13/265 (2006.01)**
[25] EN
[54] **DENTAL IMPLANT**
[54] **IMPLANT DENTAIRE**
[72] KIM, HYUNG WOO, KR
[72] KIM, GYUN HWAN, KR
[71] KIM, HYEONG WOO, KR
[71] DENFLEX CO., LTD., KR
[85] 2018-01-04
[86] 2016-06-30 (PCT/KR2016/007063)
[87] (WO2017/010711)
[30] KR (10-2015-0099671) 2015-07-14

[21] **2,991,410**
[13] A1
[51] **Int.Cl. F02C 7/00 (2006.01) F01D 9/06 (2006.01) F02C 6/08 (2006.01) F02C 7/28 (2006.01) F16L 27/06 (2006.01)**
[25] EN
[54] **COMPLIANT FLEXURAL INNER SHROUD FOR JOINT ASSEMBLIES**
[54] **ENVELOPPE INTERNE SOUPLE EN FLEXION POUR ENSEMBLES JOINTS**
[72] TAJIRI, GORDON, US
[72] KENWORTHY, MICHAEL THOMAS, US
[72] MILLWARD, DOUGLAS R., US
[72] STEWART, LONNIE RAY, JR., US
[71] UNISON INDUSTRIES, LLC, US
[85] 2018-01-04
[86] 2016-05-04 (PCT/US2016/030724)
[87] (WO2017/007529)
[30] US (62/190,484) 2015-07-09
[30] US (62/190,528) 2015-07-09

[21] **2,991,412**
[13] A1
[51] **Int.Cl. C07D 249/20 (2006.01)**
[25] EN
[54] **SUBSTITUTED BENZOTRIAZOLE PHENOLS**
[54] **PHENOLS DE TYPE BENZOTRIAZOLE SUSBTITUE**
[72] VOLP, KELLY A., US
[72] SCHULTZ, NATHAN E., US
[72] LI, FUMING B., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2018-01-04
[86] 2016-06-30 (PCT/US2016/040348)
[87] (WO2017/007672)
[30] US (62/189,533) 2015-07-07

[21] **2,991,414**
[13] A1
[51] **Int.Cl. D21H 27/00 (2006.01) C11D 3/00 (2006.01) C11D 3/20 (2006.01) C11D 3/22 (2006.01) C11D 3/37 (2006.01) D21H 17/21 (2006.01) D21H 17/36 (2006.01)**
[25] EN
[54] **FABRIC CARE COMPOSITION COMPRISING METATHESIZED UNSATURATED POLYOL ESTERS**
[54] **COMPOSITION DE SOIN D'UN TISSU CONTENANT DES ESTERS DE POLYOL INSATURES METATHISES**
[72] SCHUBERT, BETH ANN, US
[72] ZANNONI, LUKE ANDREW, US
[72] PANANDIKER, RAJAN KESHAV, US
[72] KEMPER, JOSEPH JAY, US
[72] STRIFE, ROBERT JOHN, US
[72] MOTLAGH, SAFA, US
[72] SCHEIBEL, JEFFREY JOHN, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-01-04
[86] 2016-07-07 (PCT/US2016/041221)
[87] (WO2017/011249)
[30] US (62/190,962) 2015-07-10

[21] **2,991,415**
[13] A1
[51] **Int.Cl. H01M 10/04 (2006.01) H01M 10/30 (2006.01) H01M 10/42 (2006.01) H01M 10/48 (2006.01) H01M 12/08 (2006.01) H01M 16/00 (2006.01) H02J 7/00 (2006.01) H01M 10/34 (2006.01)**
[25] EN
[54] **HYBRID ELECTROCHEMICAL CELL SYSTEMS AND METHODS OF OPERATION**
[54] **SYSTEMES DE CELLULE ELECTROCHIMIQUE HYBRIDE ET PROCEDES DE FONCTIONNEMENT**
[72] KRISHNAN, RAMKUMAR, US
[72] NADEN, MARK, US
[72] GOLDBERG, JONATHAN, US
[72] HAYES, JOEL, US
[72] TRIMBLE, TODD, US
[71] FLUIDIC, INC., US
[85] 2018-01-04
[86] 2016-06-06 (PCT/US2016/036026)
[87] (WO2016/197109)
[30] US (62/171,003) 2015-06-04

[21] **2,991,416**
[13] A1
[51] **Int.Cl. E05B 63/06 (2006.01) E05B 55/00 (2006.01)**
[25] EN
[54] **ADJUSTABLE BACKSET CYLINDRICAL LATCH**
[54] **VERROU CYLINDRIQUE A DISTANCE D'ENTREE REGLABLE**
[72] HILL, CHRISTOPHER, US
[72] ZIMMER, TODD, US
[72] FOURNIER, BRIAN R., US
[72] VOELKER, CHRISTINE E., US
[72] MIDDELAER, WILLIAM S., US
[71] YALE SECURITY INC., US
[85] 2018-01-04
[86] 2016-07-07 (PCT/US2016/041267)
[87] (WO2017/007890)
[30] US (62/189,458) 2015-07-07

[21] **2,991,417**
[13] A1
[51] **Int.Cl. A61K 31/454 (2006.01) A61K 31/498 (2006.01) A61K 31/7056 (2006.01) A61K 31/7072 (2006.01) A61K 38/21 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING HCV**
[54] **METHODES DE TRAITEMENT DU VHC**
[72] BERNSTEIN, BARRY M., US
[72] DUTTA, SANDEEP, US
[72] LIU, WEI, US
[72] PODSADECKI, THOMAS J., US
[72] CAMPBELL, ANDREW, US
[72] MENON, RAJEEV M., US
[72] LIN, CHIH-WEI, US
[72] WANG, TIANLI, US
[72] AWNI, WALID M., US
[72] MENSING, SVEN, DE
[71] ABBVIE INC., US
[85] 2018-01-04
[86] 2016-07-07 (PCT/US2016/041334)
[87] (WO2017/007934)
[30] US (62/190,045) 2015-07-08
[30] US (62/266,954) 2015-12-14

[21] **2,991,418**
[13] A1
[51] **Int.Cl. C08K 5/3472 (2006.01)**
[25] EN
[54] **POLYMERIC MATRICES WITH IONIC ADDITIVES**
[54] **MATRICES POLYMERES PRESENTANT DES ADDITIFS IONIQUES**
[72] SCHULTZ, NATHAN E., US
[72] LI, FUMING B., US
[72] VOLP, KELLY A., US
[72] MCCORMICK, MARK, US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2018-01-04
[86] 2016-06-30 (PCT/US2016/040351)
[87] (WO2017/007673)
[30] US (62/189,493) 2015-07-07

[21] **2,991,425**
[13] A1
[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/315 (2006.01) A61M 25/10 (2013.01) A61M 39/00 (2006.01)**
[25] EN
[54] **HOUSINGS FOR USE WITH INFLATION DEVICES AND RELATED METHODS**
[54] **BOITIERS DESTINES A ETRE UTILISES AVEC DES DISPOSITIFS DE GONFLAGE ET PROCEDES ASSOCIES**
[72] WEERAKOON, PRASAD, US
[72] DAVIS, JON, US
[72] HEYBORNE, RUSSELL D., US
[72] WILDE, LARRY T., US
[71] MERIT MEDICAL SYSTEMS, INC., US
[85] 2018-01-04
[86] 2016-07-06 (PCT/US2016/041060)
[87] (WO2017/007797)
[30] US (62/188,997) 2015-07-06

[21] **2,991,429**
[13] A1
[51] **Int.Cl. E02D 29/02 (2006.01) E02D 29/00 (2006.01)**
[25] FR
[54] **MOULDING INSERT AND FACING BLOCK WITH SUCH AN INSERT**
[54] **INSERT DE MOULAGE ET BLOC DE PAREMENT AVEC UN TEL INSERT**
[72] FREITAG, NICOLAS, FR
[72] BENNANI, YASSINE, FR
[71] TERRE ARMEE INTERNATIONALE, FR
[85] 2018-01-05
[86] 2016-07-05 (PCT/FR2016/051698)
[87] (WO2017/006043)
[30] FR (15 56425) 2015-07-07

[21] **2,991,430**
[13] A1
[51] **Int.Cl. A23G 1/00 (2006.01) A23G 1/02 (2006.01) A23G 1/30 (2006.01) A23G 1/32 (2006.01)**
[25] EN
[54] **COCOA PRODUCTS BASED ON UNFERMENTED COCOA BEANS AND METHODS FOR PREPARING THE SAME**
[54] **PRODUITS DE CACAO A BASE DE FEVES DE CACAO NON FERMENTEES ET LEURS PROCEDES DE PREPARATION**
[72] HUHN, TILO, CH
[71] ODC LIZENZ AG, CH
[85] 2018-01-05
[86] 2016-07-08 (PCT/EP2016/001178)
[87] (WO2017/005370)
[30] EP (15002048.5) 2015-07-08

[21] **2,991,431**
[13] A1
[51] **Int.Cl. F01D 5/30 (2006.01) F01D 5/06 (2006.01) F01D 5/32 (2006.01)**
[25] FR
[54] **ROTARY ASSEMBLY OF AN AERONAUTICAL TURBOMACHINE COMPRISING AN ADDED-ON FAN BLADE PLATFORM**
[54] **ENSEMBLE ROTATIF DE TURBOMACHINE AERONAUTIQUE COMPRENANT UNE PLATEFORME RAPPORTEE D'AUBE DE SOUFFLANTE**
[72] DE GAILLARD, THOMAS ALAIN, FR
[72] BOISSON, ALEXANDRE BERNARD MARIE, FR
[72] GIMAT, MATTHIEU ARNAUD, FR
[72] LAGUERRE, AUDREY, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2018-01-05
[86] 2016-07-06 (PCT/FR2016/051711)
[87] (WO2017/006054)
[30] FR (1556459) 2015-07-08

[21] **2,991,436**
[13] A1
[51] **Int.Cl. C07C 257/12 (2006.01) C07C 205/38 (2006.01) C07C 217/90 (2006.01)**
[25] EN
[54] **PHENOXYHALOGENPHENYLAMIDINES AND THE USE THEREOF AS FUNGICIDES**
[54] **PHENOXYHALOGENOPHENYLAMIDINES ET LEUR UTILISATION COMME FONGICIDES**
[72] HILLEBRAND, STEFAN, DE
[72] ES-SAYED, MAZEN, DE
[72] DAHMEN, PETER, DE
[72] WACHENDORFF-NEUMANN, ULRIKE, DE
[72] BRUNET, STEPHANE, FR
[71] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
[85] 2018-01-05
[86] 2016-07-05 (PCT/EP2016/065753)
[87] (WO2017/005710)
[30] EP (15175854.7) 2015-07-08

[21] **2,991,439**
[13] A1
[51] **Int.Cl. F01D 9/06 (2006.01) F02C 6/08 (2006.01) F02C 7/00 (2006.01) F02C 7/28 (2006.01) F16L 27/06 (2006.01)**
[25] EN
[54] **FLEXURAL INTERFACE FOR BELLOWED BALL-JOINT ASSEMBLIES FOR CONTROLLED ROTATIONAL CONSTRAINT**
[54] **INTERFACE A FLEXION POUR ENSEMBLES DE JOINTS A BILLES A SOUFFLET POUR CONTRAINTE DE ROTATION MAITRISEE**
[72] TAJIRI, GORDON, US
[72] KENWORTHY, MICHAEL THOMAS, US
[72] MILLWARD, DOUGLAS R., US
[72] STEWART, LONNIE RAY, JR., US
[71] UNISON INDUSTRIES, LLC, US
[85] 2018-01-04
[86] 2016-05-04 (PCT/US2016/030749)
[87] (WO2017/007530)
[30] US (62/190,484) 2015-07-09
[30] US (62/190,528) 2015-07-09

[21] **2,991,440**
[13] A1
[51] **Int.Cl. A61M 25/02 (2006.01) A61M 39/10 (2006.01) A61M 39/22 (2006.01)**
[25] EN
[54] **CATHETER CONNECTION AND STABILIZATION DEVICE AND METHODS OF USING SAME**
[54] **DISPOSITIF DE RACCORDEMENT ET STABILISATION D'UN CATHETER ET SES PROCEDES D'UTILISATION**
[72] MASEDA, LUIS, US
[72] CHELAK, TODD, US
[72] DENNIS, NICHOLAS, US
[72] KIMBALL, IAN, US
[71] NP MEDICAL INC., US
[85] 2018-01-04
[86] 2016-07-14 (PCT/US2016/042232)
[87] (WO2017/015047)
[30] US (14/802,270) 2015-07-17

[21] **2,991,441**
[13] A1
[51] **Int.Cl. A61M 39/24 (2006.01) A61M 5/152 (2006.01) A61M 5/168 (2006.01)**
[25] EN
[54] **FLUID FLOW CONTROL VALVE AND FLOW CONTROL DEVICES AND METHODS EMPLOYING SAME**
[54] **SOUPAPE DE REGULATION DE DEBIT DE FLUIDE ET DISPOSITIFS DE REGULATION DE DEBIT ET LEURS PROCEDES D'UTILISATION**
[72] DUNKI-JACOBS, ADAM, US
[72] STEFANCHIK, DAVID, US
[71] ENABLE INJECTIONS, INC., US
[85] 2018-01-04
[86] 2016-06-08 (PCT/US2016/036445)
[87] (WO2017/014847)
[30] US (62/193,899) 2015-07-17

[21] **2,991,443**
[13] A1
[51] **Int.Cl. G01D 3/08 (2006.01) G01D 11/24 (2006.01)**
[25] EN
[54] **MODULAR SEALING APPARATUS WITH FAILURE DETECTION UNIT**
[54] **APPAREIL DE SCELLAGE MODULAIRE A UNITE DE DETECTION DE DEFAILLANCE**
[72] ERALTI, DAVIDE, IT
[72] DEL BIANCO, MASSIMO, IT
[71] ENDRESS+HAUSER WETZER GMBH+CO. KG, DE
[85] 2018-01-05
[86] 2016-06-22 (PCT/EP2016/064369)
[87] (WO2017/009013)
[30] EP (15177004.7) 2015-07-16

[21] **2,991,444**
[13] A1
[51] **Int.Cl. C03B 33/02 (2006.01) B23K 26/00 (2014.01) C03B 33/09 (2006.01)**
[25] EN
[54] **METHOD FOR CUTTING A THIN GLASS LAYER**
[54] **PROCEDE POUR LA COUPE D'UNE COUCHE DE VERRE MINCE**
[72] BOKER, JURGEN, DE
[72] YEH, LI-YA, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2018-01-05
[86] 2016-08-10 (PCT/EP2016/069008)
[87] (WO2017/025550)
[30] EP (15180376.4) 2015-08-10

[21] **2,991,451**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **TAU-BINDING ANTIBODIES**
[54] **ANTICORPS SE LIANT A TAU**
[72] KNIGHT, DAVID EDWARD ORMONDE, GB
[72] BAKER, TERENCE SEWARD, GB
[72] MCMILLAN, DAVID JAMES, GB
[72] GRIFFIN, ROBERT ANTHONY, GB
[72] MAIRET-COELLO, GEORGES, BE
[72] DOWNEY, PATRICK, BE
[72] COURADE, JEAN-PHILIPPE, BE
[71] UCB BIOPHARMA SPRL, BE
[85] 2018-01-05
[86] 2016-07-05 (PCT/EP2016/065813)
[87] (WO2017/005734)
[30] EP (15175522.0) 2015-07-06

[21] **2,991,453**
[13] A1
[51] **Int.Cl. F41A 7/08 (2006.01) F41A 17/18 (2006.01)**
[25] EN
[54] **WEAPON DRIVE AND WEAPON DRIVE WITH AN EMERGENCY WEAPON STOP**
[54] **MECANISME D'ENTRAINEMENT D'UNE ARME, AINSI QUE MECANISME D'ENTRAINEMENT D'UNE ARME MUNI D'UN ARRET D'URGENCE DE L'ARME**
[72] SCHNEIDER, HUBERT, DE
[71] RHEINMETALL WAFFE MUNITION GMBH, DE
[85] 2018-01-05
[86] 2016-07-05 (PCT/EP2016/065858)
[87] (WO2017/009114)
[30] DE (10 2015 008 798.3) 2015-07-10
[30] DE (10 2015 012 981.3) 2015-07-10

[21] **2,991,454**
[13] A1
[51] **Int.Cl. B60R 9/04 (2006.01)**
[25] EN
[54] **ROOF RACK FOR A MOTOR VEHICLE, MOTOR VEHICLE WITH A ROOF RACK, AND A METHOD FOR THE PRODUCTION OF A ROOF RACK**
[54] **GALERIE DE TOIT POUR VEHICULE AUTOMOBILE, VEHICULE AUTOMOBILE COMPORTANT UNE GALERIE DE TOIT ET PROCEDE DE PRODUCTION D'UNE TELLE GALERIE DE TOIT**
[72] BINDER, HANS, DE
[72] BINDER, OTTMAR, DE
[72] SIRRENBERG, STEFAN, DE
[72] VETTER, ROLF, DE
[71] SUDDEUTSCHE ALUMINIUM MANUFAKTUR GMBH, DE
[85] 2018-01-05
[86] 2016-07-06 (PCT/EP2016/066020)
[87] (WO2017/005808)
[30] DE (10 2015 212 684.6) 2015-07-07

[21] **2,991,497**
[13] A1
[51] **Int.Cl. B60R 21/207 (2006.01) B60R 21/201 (2011.01) B60R 21/216 (2011.01)**
[25] EN
[54] **MISTAKE PROOF BRACKETS FOR INSTALLATION OF SEAT TRIM COVER AIRBAG STRIP TO A SEAT FRAME**
[54] **SUPPORTS DETROMPEURS POUR INSTALLATION DE BANDE DE COUSSIN DE SECURITE GONFLABLE DE GARNITURE DE SIEGE SUR UN CADRE DE SIEGE**
[72] KNOEBEL, ALICE, US
[72] KINSMAN, BLAIR, CA
[72] GAUDREAULT, ERIC, CA
[71] TOYOTA BOSHOKU AMERICA, INC., US
[85] 2018-01-05
[86] 2016-07-05 (PCT/US2016/040940)
[87] (WO2017/007748)
[30] US (62/189,239) 2015-07-07

[21] **2,991,504**
[13] A1
[51] **Int.Cl. E05F 15/686 (2015.01) E05F 15/665 (2015.01) E05F 15/673 (2015.01) E05D 13/00 (2006.01) E05D 15/16 (2006.01)**
[25] EN
[54] **CABLE DRUM DRIVE SYSTEM FOR SLIDING WINDOW SASH**
[54] **SYSTEME D'ENTRAINEMENT DE TAMBOUR DE CABLE DESTINE A UN CHASSIS DE FENETRE COULISSANTE**
[72] NEWMAN, GARY, US
[71] AMESBURY GROUP, INC., US
[85] 2018-01-05
[86] 2016-07-07 (PCT/US2016/041347)
[87] (WO2017/007944)
[30] US (62/189,597) 2015-07-07

[21] **2,991,518**
[13] A1
[51] **Int.Cl. A61B 5/107 (2006.01) A61B 34/10 (2016.01)**
[25] EN
[54] **LEG LENGTH AND OFFSET CALCULATION IN COMPUTER-ASSISTED SURGERY USING RANGEFINDER**
[54] **CALCUL DE LONGUEUR DE JAMBE ET DE DECALAGE EN CHIRURGIE ASSISTEE PAR ORDINATEUR A L'AIDE D'UN TELEMETRE**
[72] LI, DI, CA
[72] AMIOT, LOUIS-PHILIPPE, CA
[72] PARADIS, FRANCOIS, CA
[72] PELLETIER, BENOIT, CA
[72] MOREAU-BELANGER, LAURENCE, CA
[72] DUVAL, KARINE, CA
[71] ORTHOSOFT INC., CA
[85] 2018-01-04
[86] 2016-07-06 (PCT/CA2016/050787)
[87] (WO2017/004714)
[30] US (62/188,921) 2015-07-06
[30] US (62/312,509) 2016-03-24

[21] **2,991,527**
[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01) H01M 10/00 (2006.01)**
[25] EN
[54] **HYBRID POWER PACK**
[54] **BLOC D'ALIMENTATION HYBRIDE**
[72] ROHERA, HEMANT KARAMCHAND, IN
[71] ROHERA, HEMANT KARAMCHAND, IN
[85] 2018-01-04
[86] 2015-08-11 (PCT/IB2015/056108)
[87] (WO2017/009692)
[30] IN (2626/MUM/2015) 2015-07-10

[21] **2,991,528**
[13] A1
[51] **Int.Cl. G06F 3/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SEARCHING A MACHINING KNOWLEDGE DATABASE**
[54] **SYSTEMES ET PROCEDES POUR FAIRE DES RECHERCHES DANS UNE BASE DE DONNEES DE CONNAISSANCES D'USINAGE**
[72] MCCABE, BRIAN DEAN, US
[72] JONES, RICHARD THOMAS, US
[72] SKUBIC, CHRISTOPHER JOHN, US
[71] MACHINE RESEARCH CORPORATION, US
[85] 2018-01-04
[86] 2015-07-15 (PCT/US2015/040515)
[87] (WO2016/011121)
[30] US (62/025,417) 2014-07-16
[30] US (62/025,427) 2014-07-16
[30] US (14/799,421) 2015-07-14

[21] **2,991,530**
[13] A1
[51] **Int.Cl. A01N 65/00 (2009.01)**
[25] EN
[54] **HEALTHFUL SUPPLEMENTS**
[54] **COMPLEMENTS SAINS**
[72] GEORGE, MARC, US
[72] CARRINGTON, WILLIAM C., US
[71] CG-BIO GENOMICS, INC., US
[85] 2018-01-04
[86] 2016-07-06 (PCT/US2016/041161)
[87] (WO2017/007833)
[30] US (62/189,087) 2015-07-06

[21] **2,991,538**
[13] A1
[51] **Int.Cl. E21B 33/08 (2006.01) E21B 33/04 (2006.01)**
[25] EN
[54] **MODIFIED STUFFING BOX**
[54] **PRESSE-ETOUPE MODIFIE**
[72] MCADAM, BRIAN, CA
[72] MCADAM, DAVID, CA
[71] WESTERN OILTOOLS LTD., CA
[85] 2018-01-05
[86] 2016-03-31 (PCT/CA2016/050373)
[87] (WO2017/004696)
[30] US (62/190,347) 2015-07-09
[30] US (62/190,505) 2015-07-09

[21] **2,991,539**
[13] A1
[51] **Int.Cl. G01R 27/26 (2006.01)**
[25] EN
[54] **METHOD AND CIRCUIT FOR DETECTING MEDIA AT DIFFERENT DEPTHS**
[54] **PROCEDE ET CIRCUIT DE DETECTION DE MILIEUX A DES PROFONDEURS DIFFERENTES**
[72] GUO, MINGFENG, CN
[72] CHEN, ZHIHONG, CN
[72] ZENG, FANJIAN, CN
[72] HUANG, HAILIN, CN
[71] ZHANGZHOU EASTERN INTELLIGENT INSTRUMENT CO., LTD., CN
[85] 2018-01-05
[86] 2015-07-24 (PCT/CN2015/085038)
[87] (WO2017/000334)
[30] CN (201510380864.5) 2015-07-02

[21] **2 991,541**
[13] A1
[51] **Int.Cl. A47L 11/38 (2006.01) A47L 1/02 (2006.01) B08B 1/00 (2006.01) B64C 39/02 (2006.01) E04G 23/00 (2006.01)**
[25] EN
[54] **CLEANING APPARATUS AND METHOD FOR CLEANING A SURFACE**
[54] **DISPOSITIF DE NETTOYAGE ET PROCEDE POUR NETTOYER UNE SURFACE**
[72] BOHME, UWE, DE
[71] GEBAUDEREINIGUNG LISSOWSKI GMBH, DE
[85] 2018-01-05
[86] 2016-04-07 (PCT/DE2016/000145)
[87] (WO2017/008776)
[30] DE (10 2015 008 859.9) 2015-07-14
[30] DE (10 2016 000 295.6) 2016-01-15

[21] **2,991,542**
[13] A1
[51] **Int.Cl. F16M 11/08 (2006.01) A47F 7/024 (2006.01) F16M 11/14 (2006.01) F16M 11/20 (2006.01) H04M 1/02 (2006.01)**
[25] EN
[54] **ROTATABLE LINK**
[54] **LIEN ROTATIF**
[72] BURMESTER, BENNY, DK
[71] ERGONOMIC SOLUTIONS INTERNATIONAL LIMITED, GB
[85] 2018-01-05
[86] 2016-07-05 (PCT/EP2016/065747)
[87] (WO2017/005706)
[30] DK (PA 2015 00396) 2015-07-08

[21] **2,991,543**
[13] A1
[51] **Int.Cl. F41A 15/16 (2006.01)**
[25] EN
[54] **CASE DISCHARGE DEVICE**
[54] **DISPOSITIF D'EJECTION DE DOUILLES**
[72] SCHNEIDER, HUBERT, DE
[71] RHEINMETALL WAFFE MUNITION GMBH, DE
[85] 2018-01-05
[86] 2016-07-05 (PCT/EP2016/065853)
[87] (WO2017/009112)
[30] DE (10 2015 008 797.5) 2015-07-10

[21] **2,991,546**
[13] A1
[51] **Int.Cl. G10D 9/06 (2006.01)**
[25] EN
[54] **MUTE FOR A RECORDER**
[54] **SOURDINE POUR FLUTE A BEC OU FLUTE DOUCE**
[72] JUAREZ SALAS, FRANCISCO JOSE, ES
[71] JUAREZ SALAS, FRANCISCO JOSE, ES
[85] 2018-01-05
[86] 2016-04-28 (PCT/ES2016/070320)
[87] (WO2017/029420)
[30] ES (U201530954) 2015-08-18

[21] **2,991,555**
[13] A1
[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/315 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **SYRINGE PACKAGING SYSTEM**
[54] **SYSTEME D'EMBALLAGE DE SERINGUE**
[72] DUINAT, BRIGITTE, FR
[72] SHERMER, CHARLES D., US
[72] DORELON, LUC, FR
[71] FRESENIUS KABI DEUTSCHLAND GMBH, DE
[85] 2018-01-05
[86] 2016-07-08 (PCT/IB2016/054126)
[87] (WO2017/009763)
[30] US (62/191,052) 2015-07-10

[21] **2,991,557**
[13] A1
[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/178 (2006.01) A61M 5/315 (2006.01)**
[25] EN
[54] **SYRINGE PACKAGING SYSTEM AND SHELL**
[54] **SYSTEME D'EMBALLAGE DE SERINGUE ET ENVELOPPE**
[72] DUINAT, BRIGITTE, FR
[72] HOTTOVY, TRACY RAY, US
[72] BIANCON, CHARLES, FR
[72] SHERMER, CHARLES D., US
[72] DORELON, LUC, FR
[71] FRESENIUS KABI DEUTSCHLAND GMBH, DE
[85] 2018-01-05
[86] 2016-07-08 (PCT/IB2016/054127)
[87] (WO2017/009764)
[30] US (62/191,036) 2015-07-10
[30] US (62/292,546) 2016-02-08

[21] **2,991,559**
[13] A1
[51] **Int.Cl. G08B 13/14 (2006.01) G08B 13/196 (2006.01)**
[25] EN
[54] **EXHIBITER DEVICE**
[54] **EQUIPEMENT D'AFFICHAGE**
[72] MATSUO, YUMIKO, JP
[71] MATSUO SANGYO CO., LTD., JP
[85] 2018-01-05
[86] 2016-03-31 (PCT/JP2016/060678)
[87] (WO2017/168683)

[21] **2,991,561**
[13] A1
[51] **Int.Cl. H01Q 1/12 (2006.01) G06K 19/07 (2006.01)**
[25] EN
[54] **INLAY DESIGNS FOR UHF RFID TAGS**
[54] **CONCEPTIONS D'INLAY POUR ETIQUETTES D'IDENTIFICATION PAR RADIOFREQUENCE A ULTRA-HAUTE FREQUENCE**
[72] KAPOOR, PUNEET, IN
[72] KAPOOR, ALOK, IN
[71] APK IDENTIFICATION, IN
[85] 2018-01-05
[86] 2016-07-06 (PCT/IN2016/050223)
[87] (WO2017/006350)
[30] IN (2060/DEL/2015) 2015-07-07
[30] IN (2061/DEL/2015) 2015-07-07

[21] **2,991,562**
[13] A1
[51] **Int.Cl. H01M 8/04 (2016.01) H01M 8/12 (2016.01)**
[25] EN
[54] **FUEL CELL SYSTEM**
[54] **SYSTEME DE PILES A COMBUSTIBLE**
[72] YAGUCHI, TATSUYA, JP
[72] KAMIJO, MOTOHISA, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-01-05
[86] 2015-07-08 (PCT/JP2015/069594)
[87] (WO2017/006450)

[21] **2,991,565**
[13] A1
[51] **Int.Cl. B21D 22/26 (2006.01) B21D 22/02 (2006.01) B21D 24/00 (2006.01) B21D 24/04 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MANUFACTURING PRESS COMPONENT**
[54] **PROCEDE ET APPAREIL DE FABRICATION D'UN COMPOSANT DE PRESSE**
[72] SAITO, MASAHIRO, JP
[72] NISHIMURA, RYUICHI, JP
[72] TANAKA, YASUHARU, JP
[72] MIYAGI, TAKASHI, JP
[72] YAMAMOTO, TAKASHI, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2018-01-05
[86] 2016-06-27 (PCT/JP2016/069009)
[87] (WO2017/006793)
[30] JP (2015-135367) 2015-07-06

[21] **2,991,569**
[13] A1
[51] **Int.Cl. A61K 31/192 (2006.01) A61K 31/10 (2006.01)**
[25] EN
[54] **IMPROVED TOPICAL KETOPROFEN FORMULATIONS**
[54] **FORMULATIONS TOPIQUES AMELIOREES DE KETOPROFENE**
[72] ROY, SAMIR, US
[72] CLARK, CHARLOTTE P., US
[71] ELLIPTICAL THERAPEUTICS, LLC, US
[85] 2018-01-05
[86] 2016-06-30 (PCT/US2016/040315)
[87] (WO2017/007668)
[30] US (62/189,891) 2015-07-08

[21] **2,991,573**
[13] A1
[51] **Int.Cl. E21B 44/00 (2006.01) E21B 21/08 (2006.01) G06F 19/00 (2018.01)**
[25] EN
[54] **PREDICTING WELLBORE OPERATION PARAMETERS**
[54] **PREDICTION DE PARAMETRES D'OPERATION DE FORAGE**
[72] WILLIAMS, ROBERT LYNN, US
[72] PORTER, AIDAN JAMES, GB
[72] PEREIRA, VITOR LOPES, US
[72] GOLLAPALLI, JOSHUA SAMUEL, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-01-05
[86] 2015-08-27 (PCT/US2015/047278)
[87] (WO2017/034586)

[21] **2,991,579**
[13] A1
[51] **Int.Cl. B29C 45/00 (2006.01) B29C 45/30 (2006.01) B29C 49/00 (2006.01) B29C 49/06 (2006.01)**
[25] EN
[54] **A METHOD FOR MANUFACTURING A POLYESTER BASED POLYMER ARTICLE**
[54] **PROCEDE DE FABRICATION D'UN ARTICLE POLYMERE A BASE DE POLYESTER**
[72] ROBBRECHT, JOHAN, BE
[71] KEIRYO PACKAGING SA, LU
[85] 2018-01-05
[86] 2016-07-11 (PCT/EP2016/066447)
[87] (WO2017/005937)
[30] EP (15176180.6) 2015-07-09

[21] **2,991,584**
[13] A1
[51] **Int.Cl. A47J 27/12 (2006.01) A47J 36/24 (2006.01) A47J 36/34 (2006.01) G05B 15/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AN AUTOMATIC COOKING DEVICE**
[54] **SYSTEME ET PROCEDE POUR UN DISPOSITIF DE CUISSON AUTOMATIQUE**
[72] ABOUJASSOUM, KHALID, US
[72] MAKSOUD, TARIQ, US
[72] LEONARDS, ADAM, US
[71] TAHI TECHNOLOGIES INC., US
[85] 2018-01-05
[86] 2016-05-08 (PCT/US2016/031395)
[87] (WO2016/182975)
[30] US (62/159,009) 2015-05-08

[21] **2,991,590**
[13] A1
[51] **Int.Cl. B29C 35/08 (2006.01) B29D 35/08 (2010.01) A43B 7/28 (2006.01) A43B 17/00 (2006.01)**
[25] EN
[54] **LIGHT-CURED COMPOSITE INSOLE**
[54] **SEMELLE INTERIEURE COMPOSITE DURCIE A LA LUMIERE**
[72] JACOBSEN, ALAN, US
[71] LIGHT COMPOSITES LLC, US
[85] 2018-01-05
[86] 2016-05-15 (PCT/US2016/032617)
[87] (WO2017/007533)
[30] US (62/189,100) 2015-07-06

[21] **2,991,595**
[13] A1
[51] **Int.Cl. A43B 17/14 (2006.01) A61F 5/052 (2006.01) A61F 5/14 (2006.01)**
[25] EN
[54] **FORCE DELIVERY IN ORTHOTIC, ORTHOTIC INSERTS AND ANKLE FOOT ORTHOSIS PRODUCTS AND SYSTEMS**
[54] **LIBERATION DE FORCE EN ORTHETIQUE, INSERTS ORTHETIQUES ET PRODUITS ET SYSTEMES D'ORTHESE CHEVILLE-PIED**
[72] ARCIUOLO, MATTHEW J., US
[71] ROAR ATHLETIC PERFORMANCE CORP., US
[85] 2018-01-05
[86] 2016-05-26 (PCT/US2016/034373)
[87] (WO2017/007536)
[30] US (62/189,400) 2015-07-07

[21] **2,991,598**
[13] A1
[51] **Int.Cl. A61K 31/713 (2006.01) C12N 15/113 (2010.01) A61P 25/28 (2006.01) C07H 21/02 (2006.01)**
[25] EN
[54] **NUCLEIC ACID MOLECULES TARGETING SUPEROXIDE DISMUTASE 1 (SOD1)**
[54] **MOLECULES D'ACIDE NUCLEIQUE CIBLANT LA SUPEROXYDE DISMUTASE 1 (SOD1)**
[72] CARDIA, JAMES, US
[72] BYRNE, MICHAEL, US
[72] BULOCK, KAREN G., US
[72] PAVCO, PAMELA A., US
[72] LIBERTINE, LYN, US
[71] RXI PHARMACEUTICALS CORPORATION, US
[85] 2018-01-05
[86] 2016-07-06 (PCT/US2016/041095)
[87] (WO2017/007813)
[30] US (62/189,050) 2015-07-06

[21] **2,991,599**
[13] A1
[51] **Int.Cl. C08L 83/04 (2006.01) C08K 3/36 (2006.01) C08L 83/06 (2006.01) C09K 3/10 (2006.01)**
[25] EN
[54] **HIGH TEMPERATURE RESISTANT, TWO COMPONENT, LOW VISCOSITY SILICONE COMPOSITION**
[54] **COMPOSITION SILICONEE, RESISTANTE A HAUTE TEMPERATURE, A DEUX CONSTITUANTS, DE BASSE VISCOSITE**
[72] VEROSKY, CHRISTOPHER, US
[72] LANAU, SEBASTIEN, IT
[72] ZAFFARONI, GIORGIO, IT
[71] HENKEL AG & CO. KGAA, DE
[71] HENKEL IP & HOLDING GMBH, DE
[85] 2018-01-05
[86] 2016-06-07 (PCT/US2016/036127)
[87] (WO2017/007560)
[30] US (62/189,251) 2015-07-07

[21] **2,991,602**
[13] A1
[51] **Int.Cl. B60J 1/20 (2006.01)**
[25] EN
[54] **WINDOW OR DOOR COVERING ASSEMBLY FOR A VEHICLE**
[54] **ENSEMBLE DE PROTECTION DE FENETRE OU DE PORTE POUR UN VEHICULE**
[72] GENNISSEN, EDUARDUS LEONARDUS, NL
[71] GENNISSEN IP B.V., NL
[85] 2018-01-05
[86] 2016-07-07 (PCT/NL2016/050492)
[87] (WO2017/007317)
[30] US (14/794,577) 2015-07-08
[30] US (62/190,649) 2015-07-09

[21] **2,991,612**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/407 (2006.01) A61K 31/437 (2006.01) A61K 31/5517 (2006.01) C07D 487/04 (2006.01) A61P 1/00 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **NEW BICYCLIC COMPOUNDS AS DUAL ATX/CA INHIBITORS**
[54] **NOUVEAUX COMPOSES BICYCLIQUES UTILISES EN TANT QU'INHIBITEURS DOUBLES D'ATX/CA**
[72] DI GIORGIO, PATRICK, CH
[72] HERT, JEROME, CH
[72] HUNZIKER, DANIEL, CH
[72] MATTEI, PATRIZIO, CH
[72] RUDOLPH, MARKUS, CH
[72] SCHMITZ, PETRA, CH
[72] ULLMER, CHRISTOPH, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2018-01-05
[86] 2016-09-21 (PCT/EP2016/072347)
[87] (WO2017/050791)
[30] EP (15186633.2) 2015-09-24

[21] **2,991,615**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/407 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **BICYCLIC COMPOUNDS AS ATX INHIBITORS**
[54] **COMPOSES BICYCLIQUES UTILISES EN TANT QU'INHIBITEURS D'ATX**
[72] MATTEI, PATRIZIO, CH
[72] HERT, JEROME, CH
[72] HUNZIKER, DANIEL, CH
[72] RUDOLPH, MARKUS, CH
[72] SCHMITZ, PETRA, CH
[72] DI GIORGIO, PATRICK, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2018-01-05
[86] 2016-09-21 (PCT/EP2016/072349)
[87] (WO2017/050792)
[30] EP (15186684.5) 2015-09-24

[21] **2,991,616**
[13] A1
[51] **Int.Cl. A61B 34/10 (2016.01) A61B 17/90 (2006.01) A61F 2/28 (2006.01) G06F 17/50 (2006.01)**
[25] EN
[54] **PATIENT-SPECIFIC INSTRUMENTATION FOR IMPLANT REVISION SURGERY**
[54] **INSTRUMENTS SPECIFIQUES A UN PATIENT POUR LA CHIRURGIE DE REVISION D'IMPLANT**
[72] COUTURE, PIERRE, CA
[72] MERETTE, JEAN-SEBASTIEN, CA
[71] ZIMMER, INC., CA
[85] 2018-01-05
[86] 2016-07-08 (PCT/US2016/041555)
[87] (WO2017/008032)
[30] US (62/189,941) 2015-07-08

[21] **2,991,618**
[13] A1
[51] **Int.Cl. C22F 1/04 (2006.01)**
[25] EN
[54] **METHODS OF OFF-LINE HEAT TREATMENT OF NON-FERROUS ALLOY FEEDSTOCK**
[54] **PROCEDES DE TRAITEMENT THERMIQUE HORS-LIGNE D'UN PRODUIT DE DEPART EN ALLIAGE NON FERREUX**
[72] WYATT-MAIR, GAVIN F., US
[72] TOMES, DAVID A., US
[72] BENNON, WILLIAM D., US
[72] KILMER, RAYMOND J., US
[72] RIGGS, JAMES C., US
[72] NEWMAN, JOHN M., US
[72] ROUNS, THOMAS N., US
[71] ARCONIC INC., US
[85] 2018-01-05
[86] 2015-07-07 (PCT/US2015/039391)
[87] (WO2017/007458)

[21] **2,991,628**
[13] A1
[51] **Int.Cl. A61K 45/08 (2006.01) A61K 38/04 (2006.01) C07K 16/24 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **A NOVEL APPROACH FOR TREATMENT OF CANCER USING IMMUNOMODULATION**
[54] **NOUVELLE APPROCHE POUR LE TRAITEMENT DU CANCER PAR IMMUNOMODULATION**
[72] MEHTA, VIMAL D., US
[72] RASTELLI, LUCA, US
[72] SAPRA, APARNA KATOCH, IN
[71] BIOXCEL THERAPEUTICS, INC., US
[85] 2018-01-05
[86] 2016-07-18 (PCT/US2016/042798)
[87] (WO2017/011831)
[30] US (62/193,348) 2015-07-16
[30] US (62/204,495) 2015-08-13

[21] **2,991,630**
[13] A1
[51] **Int.Cl. H04W 40/24 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DYNAMICALLY SCHEDULING WIRELESS TRANSMISSIONS WITHOUT COLLISION**
[54] **SYSTEME ET PROCEDE DE PROGRAMMATION DYNAMIQUE D'EMISSIONS RADIOELECTRIQUES SANS COLLISION**
[72] BENNETT, JUSTIN EMRYS, US
[72] CIHOLAS, MIKE ETIENNE, US
[72] HOLLINGER, HERBERT ALAN, US
[72] ALDRIDGE, JEREMY WAYNE, US
[72] BLANKENSHIP, MASON THOMAS, US
[72] MORRIS, DANIEL LAWRENCE, US
[71] ISOLYNX, LLC, US
[85] 2018-01-05
[86] 2016-07-13 (PCT/US2016/041980)
[87] (WO2017/011491)
[30] US (62/192,017) 2015-07-13

[21] **2,991,632**
[13] A1
[51] **Int.Cl. A61B 5/107 (2006.01) A61B 5/055 (2006.01) A61B 6/03 (2006.01) A61B 8/00 (2006.01)**
[25] EN
[54] **LOWER EXTREMITIES LEG LENGTH CALCULATION METHOD**
[54] **PROCEDE DE CALCUL DE LA LONGUEUR DE LA JAMBE SUR LA BASE DES EXTREMITES INFERIEURES**
[72] ODERMATT, DANIEL, US
[72] THOMPSON, MATT, US
[71] MAKO SURGICAL CORP., US
[85] 2018-01-05
[86] 2016-07-13 (PCT/US2016/042129)
[87] (WO2017/011576)
[30] US (62/191,890) 2015-07-13

[21] **2,991,634**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **MULTIVALENT AND MULTISPECIFIC DR5-BINDING FUSION PROTEINS**
[54] **PROTEINES DE FUSION SE LIANT A DR5 MULTIVALENTES ET MULTISPECIFIQUES**
[72] TIMMER, JOHN C., US
[72] JONES, KYLE S., US
[72] RAZAI, AMIR S., US
[72] HUSSAIN, ABRAHIM, US
[72] WILLIS, KATELYN M., US
[72] DEVERAUX, QUINN, US
[72] ECKELMAN, BRENDAN P., US
[71] INHIBRX LP, US
[85] 2018-01-05
[86] 2016-07-18 (PCT/US2016/042862)
[87] (WO2017/011837)
[30] US (62/193,309) 2015-07-16

[21] **2,991,635**
[13] A1
[51] **Int.Cl. E02B 8/02 (2006.01) B01D 33/333 (2006.01) E02B 8/00 (2006.01) E02B 8/08 (2006.01) E02B 9/00 (2006.01)**
[25] EN
[54] **FINE MESH FISH LARVAE PROTECTION SYSTEM FOR TRAVELING WATER SCREEN**
[54] **SYSTEME DE PROTECTION CONTRE LES LARVES DE POISSON AU TRAVERS DE MAILLES FINES POUR UN ECRAN DE CRIBLAGE D'EAU MOBILE**
[72] HERMAN, BRUCE, US
[72] THOMAS, STEPHEN, US
[72] MCGAUGHRAN, SEAN, US
[71] EVOQUA WATER TECHNOLOGIES LLC, US
[85] 2018-01-05
[86] 2016-07-29 (PCT/US2016/044616)
[87] (WO2017/019928)
[30] US (62/198,853) 2015-07-30

[21] **2,991,636**
[13] A1
[51] **Int.Cl. B25J 11/00 (2006.01) B25J 9/00 (2006.01) B25J 9/16 (2006.01) B25J 17/00 (2006.01)**
[25] EN
[54] **VARIABLE FORCE EXOSKELETON HIP JOINT**
[54] **ARTICULATION DE HANCHE D'EXOSQUELETTE A FORCE VARIABLE**
[72] BARNES, GAVIN A., US
[71] LOCKHEED MARTIN CORPORATION, US
[85] 2018-01-05
[86] 2016-07-15 (PCT/US2016/042427)
[87] (WO2017/015088)
[30] US (14/801,941) 2015-07-17

[21] **2,991,637**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS FOR TREATING HEPCIDIN-MEDIATED DISORDERS**
[54] **METHODES DE TRAITEMENT DE TROUBLES MEDIES PAR L'HEPCIDINE**
[72] KAKKAR, RAHUL, US
[72] DEVALARAJA, MADHAV N., US
[72] ESCOTT, KATHERINE JANE, US
[71] MEDIMMUNE LIMITED, GB
[71] ASTRAZENECA PHARMACEUTICALS LP, US
[85] 2018-01-05
[86] 2016-07-28 (PCT/US2016/044528)
[87] (WO2017/023699)
[30] US (62/199,434) 2015-07-31
[30] US (62/268,788) 2015-12-17

[21] **2,991,639**
[13] A1
[51] **Int.Cl. A61K 31/713 (2006.01) A61K 31/7115 (2006.01) A61K 38/16 (2006.01) C07H 21/02 (2006.01) C12N 15/51 (2006.01)**
[25] EN
[54] **RNAI THERAPY FOR HEPATITIS B VIRUS INFECTION**
[54] **THERAPIE PAR INTERFERENCE ARN POUR L'INFECTION PAR LE VIRUS DE L'HEPATITE B**
[72] WOODDELL, CHRISTINE I., US
[72] ROZEMA, DAVID B., US
[72] LEWIS, DAVID L., US
[72] WAKEFIELD, DARREN H., US
[72] ALMEIDA, LAUREN J, US
[71] ARROWHEAD PHARMACEUTICALS, INC., US
[85] 2018-01-05
[86] 2016-08-05 (PCT/US2016/045714)
[87] (WO2017/027350)
[30] US (62/202,253) 2015-08-07
[30] US (62/370,754) 2016-08-04

[21] **2,991,642**
[13] A1
[51] **Int.Cl. G02B 27/01 (2006.01) A63F 13/53 (2014.01) G01J 1/04 (2006.01) G02B 6/10 (2006.01) G02B 27/22 (2018.01)**
[25] EN
[54] **COLLIMATING FIBER SCANNER DESIGN WITH INWARD POINTING ANGLES IN VIRTUAL/AUGMENTED REALITY SYSTEM**
[54] **CONCEPTION DE SCANNER A FIBRE DE COLLIMATION AVEC DES ANGLES POINTANT VERS L'INTERIEUR DANS UN SYSTEME DE REALITE VIRTUELLE/AUGMENTEE**
[72] YEOH, IVAN L., US
[72] EDWIN, LIONEL ERNEST, US
[72] SCHUELKE, AARON MARK, US
[71] MAGIC LEAP, INC., US
[85] 2018-01-05
[86] 2016-07-19 (PCT/US2016/043001)
[87] (WO2017/015302)
[30] US (62/194,746) 2015-07-20

[21] **2,991,646**
[13] A1
[51] **Int.Cl. H04W 68/00 (2009.01) H04W 48/16 (2009.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING A UE-TO-NETWORK RELAY**
[54] **SYSTEMES ET PROCEDES DE GESTION D'UN RELAIS UE-RESEAU**
[72] SUZUKI, TAKASHI, JP
[72] VUTUKURI, ESWAR, GB
[72] FAURIE, RENE, FR
[71] BLACKBERRY LIMITED, CA
[85] 2018-01-08
[86] 2016-07-08 (PCT/CA2016/050799)
[87] (WO2017/004720)
[30] US (14/794,208) 2015-07-08

[21] **2,991,647**
[13] A1
[51] **Int.Cl. G01M 3/04 (2006.01) B05B 1/24 (2006.01) F24F 6/08 (2006.01) G01M 3/20 (2006.01) G01N 27/26 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETECTING MICROSCOPIC LEAKS**
[54] **SYSTEME ET PROCEDE DE DETECTION DE FUITES MICROSCOPIQUES**
[72] PARKER, ZACHARY, US
[72] HAWKINS, MARK C., US
[71] REDLINE DETECTION, LLC, US
[85] 2018-01-05
[86] 2016-07-22 (PCT/US2016/043516)
[87] (WO2017/015547)
[30] US (62/195,613) 2015-07-22
[30] US (15/215,706) 2016-07-21

[21] **2,991,648**
[13] A1
[51] **Int.Cl. E04F 19/04 (2006.01)**
[25] EN
[54] **FINISHING DEVICE FOR A FLOOR**
[54] **DISPOSITIF DE FINITION POUR UN PLANCHER**
[72] NEUHOFER JUN., FRANZ, AT
[71] NEUHOFER JUN., FRANZ, AT
[85] 2018-01-08
[86] 2017-03-03 (PCT/AT2017/050004)
[87] (WO2017/152199)
[30] AT (A50192/2016) 2016-03-08

[21] **2,991,649**
[13] A1
[51] **Int.Cl. A01K 1/01 (2006.01) A01K 29/00 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR ENHANCED LITTER MANAGEMENT AND HANDLING**
[54] **TECHNIQUES POUR AMELIORER LA GESTION ET LA MANIPULATION DE LITIERE**
[72] CHEVIGNY, STEPHANIE, CA
[72] GOUGH, SHIRLEY, CA
[72] ROBERT, FRANCIS, CA
[71] 9360-3561 QUEBEC INC., CA
[85] 2018-01-08
[86] 2016-07-14 (PCT/CA2016/050833)
[87] (WO2017/008168)
[30] US (62/192,157) 2015-07-14

[21] **2,991,650**
[13] A1
[51] **Int.Cl. A47L 23/22 (2006.01)**
[25] EN
[54] **SOLE CLEANING DEVICE**
[54] **DISPOSITIF DE NETTOYAGE DE SEMELLE**
[72] JIAN, CHILI, CN
[71] JIAN, CHILI, CN
[85] 2018-01-08
[86] 2016-07-08 (PCT/CN2016/089285)
[87] (WO2017/005211)
[30] CN (201510395964.5) 2015-07-08

[21] **2,991,655**
[13] A1
[51] **Int.Cl. C07K 14/00 (2006.01) A61K 9/107 (2006.01) A61K 9/127 (2006.01) C12Q 1/48 (2006.01)**
[25] EN
[54] **FORMULATIONS FOR IMPROVING THE EFFICACY OF HYDROPHOBIC DRUGS**
[54] **FORMULATIONS PERMETTANT D'AMELIORER L'EFFICACITE DES MEDICAMENTS HYDROPHOBES**
[72] HOMAN, REYNOLD, US
[72] ELLIOTT, WILLIAM L., US
[71] PEPTINOVO BIOPHARMA, LLC, US
[85] 2018-01-05
[86] 2016-07-08 (PCT/US2016/041544)
[87] (WO2017/011312)
[30] US (62/190,909) 2015-07-10

[21] 2,991,660
[13] A1
[51] **Int.Cl. E05F 15/614 (2015.01) E05F 1/10 (2006.01)**
[25] EN
[54] **DRIVE FOR A ROTATABLE WING**
[54] **ENTRAINEMENT D'UN BATTANT PIVOTANT**
[72] SCHIMON, STEFAN, CH
[71] GOTTHARD 3 MECHATRONIC SOLUTIONS AG, CH
[85] 2018-01-08
[86] 2016-07-20 (PCT/EP2016/067247)
[87] (WO2017/013151)
[30] CH (1076/15) 2015-07-23

[21] 2,991,673
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **GENETIC TESTING FOR PREDICTING RESISTANCE OF SERRATIA SPECIES AGAINST ANTIMICROBIAL AGENTS**
[54] **TEST GENETIQUE PERMETTANT DE PREDIRE LA RESISTANCE D'ESPECES DE SERRATIA A DES AGENTS ANTIMICROBIENS**
[72] KELLER, ANDREAS, DE
[72] SCHMOLKE, SUSANNE, DE
[72] STAHLER, CORD FRIEDRICH, DE
[72] BACKES, CHRISTINA, DE
[72] GALATA, VALENTINA, DE
[71] ARES GENETICS GMBH, AT
[85] 2018-01-08
[86] 2016-07-21 (PCT/EP2016/067442)
[87] (WO2017/013220)
[30] EP (PCT/EP2015/066762) 2015-07-22

[21] 2,991,678
[13] A1
[51] **Int.Cl. A01N 63/02 (2006.01)**
[25] EN
[54] **USE OF BACILLUS METHYLOTROPHICUS AS A STIMULANT OF PLANT GROWTH AND BIOLOGICAL CONTROL MEANS, AND ISOLATES OF SAID SPECIES**
[54] **UTILISATION DE BACILLUS METHYLOTROPHICUS COMME STIMULANT DE LA CROISSANCE VEGETALE ET MOYEN DE LUTTE BIOLOGIQUE, ET SOUCHES ISOLEES DE LADITE ESPECE**
[72] BEJAR LUQUE, MARIA VICTORIA, ES
[72] LLAMAS COMPANY, INMACULADA, ES
[72] RUIZ GARCIA, CRISTINA, ES
[72] QUESADA ARROQUIA, EMILIA, ES
[71] UNIVERSIDAD DE GRANADA, ES
[85] 2018-01-08
[86] 2015-07-31 (PCT/ES2015/070600)
[87] (WO2016/016508)
[30] ES (P201431158) 2014-07-31

[21] 2,991,689
[13] A1
[51] **Int.Cl. A61N 1/18 (2006.01) A61B 18/00 (2006.01) A61B 18/12 (2006.01) A61B 18/18 (2006.01) A61B 18/20 (2006.01) A61N 5/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHODS FOR DELIVERY OF STIMULATION TO A BODY TISSUE**
[54] **DISPOSITIF ET PROCEDES D'ADMINISTRATION DE STIMULATION SUR UN TISSU CORPOREL**
[72] SOLOMON, SASI, IL
[71] SOLOMON, SASI, IL
[85] 2018-01-08
[86] 2015-07-23 (PCT/IL2015/050763)
[87] (WO2016/103245)
[30] US (62/028,433) 2014-07-24
[30] US (62/103,676) 2015-01-15

[21] 2,991,691
[13] A1
[51] **Int.Cl. A61K 31/485 (2006.01) A61K 47/32 (2006.01)**
[25] EN
[54] **MULTIPLE PILL ABUSE-RESISTANT IMMEDIATE-RELEASE SOLID DOSAGE FORM OF HYDROCODONE**
[54] **FORME GALENIQUE SOLIDE D'HYDROCODONE A LIBERATION IMMEDIATE RESISTANT A LA PRISE ABUSIVE DE PLUSIEURS PILULES**
[72] DHARMADHIKARI, NITIN B., IN
[72] ZALA, YASHORAJ R., IN
[72] HANAMANNAVAR, BRAMHANAND, IN
[71] SUN PHARMA ADVANCED RESEARCH COMPANY LTD., IN
[85] 2018-01-08
[86] 2016-07-08 (PCT/IN2016/050227)
[87] (WO2017/009865)
[30] IN (2628/MUM/2015) 2015-07-10

[21] 2,991,692
[13] A1
[51] **Int.Cl. H01M 8/0202 (2016.01) C23C 18/31 (2006.01) C23C 18/42 (2006.01) C23C 18/52 (2006.01) C23C 22/50 (2006.01) C23C 22/56 (2006.01) C23C 22/58 (2006.01) C23F 11/00 (2006.01) H01M 8/10 (2016.01)**
[25] EN
[54] **CONDUCTING MEMBER FOR FUEL CELLS, FUEL CELL, FUEL CELL STACK, AND METHOD OF PRODUCING CONDUCTING MEMBER FOR FUEL CELLS**
[54] **ELEMENT PORTEUR DE COURANT POUR PILES A COMBUSTIBLE, PILE A COMBUSTIBLE, EMPILEMENT DE PILES A COMBUSTIBLE ET PROCEDE DE PRODUCTION D'ELEMENT PORTEUR DE COURANT POUR PILES A COMBUSTIBLE**
[72] TSURUDA, TOMOYUKI, JP
[72] YOSHIDA, TAKAHIRO, JP
[72] SHIMATA, KAZUMASA, JP
[71] TOYO KOHAN CO., LTD., JP
[85] 2018-01-08
[86] 2016-06-16 (PCT/JP2016/067991)
[87] (WO2017/006741)
[30] JP (2015-137837) 2015-07-09

[21] **2,991,693**
[13] A1
[51] **Int.Cl. B65G 17/10 (2006.01) B65G 15/48 (2006.01) B65G 21/20 (2006.01) B65G 39/12 (2006.01) F23J 1/02 (2006.01)**
[25] EN
[54] **BELT TRANSPORTATION SYSTEM**
[54] **SYSTEME DE TRANSPORT A COURROIE**
[72] MAGALDI, MARIO, IT
[72] CASILLO, DOMENICO, IT
[71] MAGALDI POWER S.P.A., IT
[85] 2018-01-08
[86] 2016-07-05 (PCT/IB2016/054018)
[87] (WO2017/013517)
[30] IT (102015000035479) 2015-07-17

[21] **2,991,694**
[13] A1
[51] **Int.Cl. B05D 7/22 (2006.01) B05B 3/02 (2006.01) B05B 13/04 (2006.01) B05B 13/06 (2006.01) B05D 1/02 (2006.01) B05D 3/00 (2006.01)**
[25] EN
[54] **COATING METHOD AND COATING DEVICE**
[54] **PROCEDE DE REVETEMENT ET DISPOSITIF DE REVETEMENT**
[72] ENDO, KOUHEI, JP
[72] MORI, TAKUYA, JP
[72] MANOU, TAKETOSHI, JP
[72] MIYAZAKI, TOMOYUKI, JP
[72] NYUU, KEISUKE, JP
[71] TOYO SEIKAN CO., LTD., JP
[85] 2018-01-08
[86] 2016-06-22 (PCT/JP2016/068490)
[87] (WO2017/010247)
[30] JP (2015-142211) 2015-07-16

[21] **2,991,695**
[13] A1
[51] **Int.Cl. H05K 7/20 (2006.01) H01L 23/36 (2006.01)**
[25] EN
[54] **HEAT SINK**
[54] **DISSIPATEUR THERMIQUE**
[72] MORIYAMA, HIROTAKE, JP
[72] HAYASHI, AKIHIRO, JP
[71] SUMITOMO SEIKA CHEMICALS CO., LTD., JP
[71] CHIYODA INTEGRE CO., LTD., JP
[85] 2018-01-08
[86] 2016-07-01 (PCT/JP2016/069664)
[87] (WO2017/010322)
[30] JP (2015-138934) 2015-07-10

[21] **2,991,696**
[13] A1
[51] **Int.Cl. H01B 3/30 (2006.01) C08K 3/22 (2006.01) C08L 101/00 (2006.01) H01B 3/00 (2006.01) H01B 7/02 (2006.01)**
[25] EN
[54] **PARTIAL DISCHARGE-RESISTANT ELECTRICAL INSULATING RESIN COMPOSITION**
[54] **COMPOSITION DE RESINE POUR ISOLATION ELECTRIQUE POUR RESISTANCE AUX DECHARGES PARTIELLES**
[72] HAYASHIZAKA, NORIYUKI, JP
[72] KAWASAKI, KAZUNORI, JP
[72] YAMASHITA, MASAYUKI, JP
[72] EBINA, TAKEO, JP
[72] ISHIDA, TAKAHIRO, JP
[72] HATTORI, SATOMI, JP
[71] SUMITOMO SEIKA CHEMICALS CO., LTD., JP
[71] NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY, JP
[71] SHIZUOKA INSTITUTE OF SCIENCE AND TECHNOLOGY, JP
[85] 2018-01-08
[86] 2016-07-07 (PCT/JP2016/070161)
[87] (WO2017/007000)
[30] JP (2015-138128) 2015-07-09

[21] **2,991,697**
[13] A1
[51] **Int.Cl. C07C 275/34 (2006.01) A61K 31/17 (2006.01) A61K 31/4406 (2006.01) A61K 31/4409 (2006.01) A61K 31/4427 (2006.01) A61K 31/4439 (2006.01) A61K 31/4545 (2006.01) A61K 31/50 (2006.01) A61K 31/506 (2006.01) A61K 31/513 (2006.01) A61K 31/5377 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C07D 213/30 (2006.01) C07D 213/65 (2006.01) C07D 213/74 (2006.01) C07D 237/14 (2006.01) C07D 239/34 (2006.01) C07D 239/47 (2006.01) C07D 401/04 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01) C07D 405/12 (2006.01) C07D 405/14 (2006.01)**
[25] EN
[54] **UREA DERIVATIVE AND USE THEREFOR**
[54] **DERIVE D'UREE ET UTILISATION ASSOCIEE**
[72] NISHIO, YUKIHIRO, JP
[72] KUBOTA, YUKO, JP
[72] YAMAMOTO, MASASHI, JP
[72] NISHIMURA, YUTAKA, JP
[72] MASUDA, TOMOHIDE, JP
[72] TSUTSUI, HIDEYUKI, JP
[72] OKIMURA, KEIICHI, JP
[72] UDAGAWA, SYUJI, JP
[72] KAINO, MIE, JP
[72] MEGURO, HIROYUKI, JP
[72] SEKIYA, YUMIKO, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2018-01-08
[86] 2016-08-31 (PCT/JP2016/075500)
[87] (WO2017/038873)
[30] JP (2015-170015) 2015-08-31

[21] **2,991,698**
[13] A1
[51] **Int.Cl. A41D 13/05 (2006.01)**
[25] EN
[54] **MOLDED WATERSPORTS AND COLD CLIMATE ACCESSORIES**
[54] **ACCESSOIRES MOULES POUR SPORTS NAUTIQUES ET CLIMAT FROID**
[72] MEISELMAN, JAMES ALEXANDER, US
[71] SOLITE INNOVATIONS LLC, US
[85] 2018-01-08
[86] 2015-06-23 (PCT/US2015/037143)
[87] (WO2016/010691)
[30] US (14/332,703) 2014-07-16

[21] **2,991,699**
[13] A1
[51] **Int.Cl. C04B 20/02 (2006.01)**
[25] EN
[54] **MODIFICATION OF PROPERTIES OF POZZOLANIC MATERIALS THROUGH BLENDING**
[54] **MODIFICATION DES PROPRIETES DE MATERIAUX POUZZOLANIQUES PAR MELANGE**
[72] GUYNN, JOHN M., US
[72] HANSEN, ANDREW S., US
[71] ROMAN CEMENT, LLC, US
[85] 2018-01-08
[86] 2015-06-29 (PCT/US2015/038350)
[87] (WO2017/003432)

[21] **2,991,704**
[13] A1
[51] **Int.Cl. B32B 5/18 (2006.01) B01D 53/04 (2006.01) B01D 53/26 (2006.01) B01J 20/20 (2006.01) B01J 20/28 (2006.01) B01J 20/30 (2006.01)**
[25] EN
[54] **GASEOUS STORAGE SYSTEM, METHODS FOR MAKING AND USING THE SAME**
[54] **SYSTEME DE STOCKAGE DE GAZ ET SES PROCEDES DE FABRICATION ET D'UTILISATION**
[72] HOLBROOK, BILLY-PAUL M., US
[72] SIMS, ROBERT W., US
[72] HOMAN, JEFFREY J., US
[72] THOMSON, CAMERON I., US
[71] INGEVITY SOUTH CAROLINA, LLC, US
[85] 2018-01-08
[86] 2016-07-08 (PCT/US2016/041482)
[87] (WO2017/008003)
[30] US (62/190,509) 2015-07-09

[21] **2,991,706**
[13] A1
[51] **Int.Cl. H04B 1/408 (2015.01) H04B 1/403 (2015.01) H04B 1/38 (2015.01) H04B 1/44 (2006.01) H04B 1/59 (2006.01)**
[25] EN
[54] **INTERFERENCE IMMUNE RADIO**
[54] **RADIO RESISTANT AU BROUILLAGE**
[72] HINES, ANDREW T., US
[72] HINES, JACQUELINE H., US
[71] SENSANNA INCORPORATED, US
[85] 2018-01-08
[86] 2016-07-08 (PCT/US2016/041502)
[87] (WO2017/008010)
[30] US (62/189,936) 2015-07-08

[21] **2,991,707**
[13] A1
[51] **Int.Cl. C12N 1/11 (2006.01) C07K 14/40 (2006.01) C11C 1/00 (2006.01) C12N 15/31 (2006.01) C12N 15/54 (2006.01) C12N 15/61 (2006.01)**
[25] EN
[54] **ENHANCING MICROBIAL METABOLISM OF C5 ORGANIC CARBON**
[54] **AMELIORATION DU METABOLISME DE MICRO-ALGUES DE LA XYLOSE**
[72] MERKX-JACQUES, ALEXANDRA, CA
[72] WOODHALL, DAVID, CA
[72] SCAIFE, MARK, CA
[72] ARMENTA, ROBERTO E., CA
[72] MUISE, DENISE, CA
[72] RASMUSSEN, HOLLY, CA
[72] BENJAMIN, JEREMY, CA
[71] MARA RENEWABLES CORPORATION, CA
[85] 2018-01-08
[86] 2016-07-13 (PCT/IB2016/054185)
[87] (WO2017/009790)
[30] US (62/191,983) 2015-07-13
[30] US (62/354,444) 2016-06-24

[21] **2,991,709**
[13] A1
[51] **Int.Cl. H03H 9/64 (2006.01) G01N 29/036 (2006.01) G01N 29/24 (2006.01)**
[25] EN
[54] **LOW LOSS ACOUSTIC WAVE SENSORS AND TAGS AND HIGH EFFICIENCY ANTENNAS AND METHODS FOR REMOTE ACTIVATION THEREOF**
[54] **CAPTEURS A ONDES ACOUSTIQUES A FAIBLE PERTE, ETIQUETTES ET ANTENNES A HAUTE EFFICACITE AINSI QUE PROCEDES POUR LEUR COMMANDE A DISTANCE**
[72] HINES, JACQUELINE H., US
[72] HINES, ANDREW T., US
[72] SOLIE, LELAND P., US
[71] SENSANNA INCORPORATED, US
[85] 2018-01-08
[86] 2016-07-08 (PCT/US2016/041504)
[87] (WO2017/008011)
[30] US (62/189,936) 2015-07-08

[21] **2,991,711**
[13] A1
[51] **Int.Cl. A61B 5/022 (2006.01) A61B 5/00 (2006.01) A61B 5/021 (2006.01) A61B 17/00 (2006.01) A61B 17/135 (2006.01) A61H 9/00 (2006.01)**
[25] EN
[54] **CONFIGURABLE SYSTEM FOR PERFORMING REMOTE ISCHEMIC CONDITIONING (RIC) ON A SUBJECT**
[54] **SYSTEME CONFIGURABLE PERMETTANT D'EFFECTUER UN CONDITIONNEMENT ISCHEMIQUE A DISTANCE (RIC) SUR UN SUJET**
[72] GANSKE, ROCKY EUGENE, CA
[72] ROYTBLAT, IGAL, CA
[72] GIL, LAHAV, CA
[71] CELLAEGIS DEVICES INC., CA
[85] 2018-01-08
[86] 2016-07-08 (PCT/US2016/041524)
[87] (WO2017/008021)
[30] US (62/189,972) 2015-07-08
[30] US (62/277,692) 2016-01-12

[21] **2,991,713**
[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR USER DETECTION AND INTERACTION**
[54] **SYSTEMES ET PROCEDES DE DETECTION D'UTILISATEUR ET D'INTERACTION AVEC CELUI-CI**
[72] DOUGLAS, LAWRENCE, US
[72] CLARKE, THOMAS C., US
[72] NALLY, DEBORAH, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2018-01-08
[86] 2016-07-08 (PCT/US2016/041600)
[87] (WO2017/011334)
[30] US (62/190,920) 2015-07-10

[21] **2,991,719**
[13] A1
[51] **Int.Cl. A61K 9/14 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS**
[54] **COMPOSITIONS PHARMACEUTIQUES**
[72] JONES, ALAN, US
[72] RODRIGUEZ, CESAR, US
[72] HENZLER, DAVID, US
[72] CURRINGTON, JEFF, US
[72] SHARMA, MEGHA, US
[72] ALDRICH, DANIEL, US
[72] CURRINGTON, CAMERON, US
[72] SLONE, MICHAEL, US
[71] UNIWELL LABORATORIES LLC, US
[85] 2018-01-08
[86] 2016-02-21 (PCT/US2016/018832)
[87] (WO2017/007515)
[30] US (62/190,650) 2015-07-09

[21] **2,991,720**
[13] A1
[51] **Int.Cl. A01C 7/08 (2006.01) A01C 7/10 (2006.01) A01C 7/12 (2006.01) A01C 7/16 (2006.01) A01C 7/20 (2006.01)**
[25] EN
[54] **CROP INPUT VARIETY SELECTION SYSTEMS, METHODS, AND APPARATUS**
[54] **SYSTEMES, PROCEDES ET APPAREIL DE SELECTION DE VARIETES D'INTRANT DE CULTURE**
[72] SWANSON, TODD, US
[72] STUBER, LUKE, US
[72] SCHAEFER, TIMOTHY A., US
[71] PRECISION PLANTING LLC, US
[85] 2018-01-08
[86] 2016-07-09 (PCT/US2016/041662)
[87] (WO2017/011355)
[30] US (62/191,302) 2015-07-10
[30] US (62/196,896) 2015-07-24

[21] **2,991,726**
[13] A1
[51] **Int.Cl. A61K 31/10 (2006.01) A61K 31/56 (2006.01) A61P 31/02 (2006.01)**
[25] EN
[54] **CATIONIC STEROIDAL ANTIMICROBIAL SALTS**
[54] **SELS ANTIMICROBIENS STEROIDIENS CATIONIQUES**
[72] SAVAGE, PAUL B., US
[72] CHITRE, SAURABH SHASHIKANT, GB
[72] VARIA, KUNAL ARVIND, IN
[72] REECE, HAYLEY ANN, GB
[72] JACKS, THOMAS ELLIOT, US
[72] MILLER, ROSS ALLEN, US
[72] RANDALL, JARED LYNN, US
[71] BRIGHAM YOUNG UNIVERSITY, US
[85] 2018-01-08
[86] 2016-04-22 (PCT/US2016/028921)
[87] (WO2016/172534)
[30] US (62/151,019) 2015-04-22
[30] US (62/165,013) 2015-05-21
[30] US (62/191,916) 2015-07-13
[30] US (15/135,928) 2016-04-22

[21] **2,991,727**
[13] A1
[51] **Int.Cl. E04H 4/00 (2006.01)**
[25] FR
[54] **THE INVENTION RELATES TO DYNAMIC ARTIFICIAL WAVE INSTALLATIONS FOR SURFING**
[54] **L'INVENTION A TRAIT AUX INSTALLATIONS A VAGUES ARTIFICIELLES DYNAMIQUES POUR LA PRATIQUE DU SURF**
[72] HEQUILY, LAURENT, FR
[71] HEQUILY, LAURENT, FR
[85] 2018-01-08
[86] 2016-07-27 (PCT/FR2016/000126)
[87] (WO2017/017319)
[30] FR (FR 1557225) 2015-07-28

[21] **2,991,742**
[13] A1
[51] **Int.Cl. E21C 35/18 (2006.01) E21C 27/24 (2006.01)**
[25] EN
[54] **BIT CONFIGURATION FOR A CUTTER HEAD**
[54] **CONFIGURATION DE TREPAN DESTINEE A UNE TETE DE COUPE**
[72] TIRYAKI, BULENT, US
[72] BAYNE, DAVID, US
[72] MEADE, DAVID, US
[71] JOY MM DELAWARE, INC., US
[71] JOY MM DELAWARE, INC., US
[85] 2018-01-08
[86] 2015-07-10 (PCT/US2015/039964)
[87] (WO2017/010975)

[21] **2,991,743**
[13] A1
[51] **Int.Cl. E04B 2/78 (2006.01) E04B 2/00 (2006.01) E04B 2/56 (2006.01) E04B 2/58 (2006.01) E04B 2/70 (2006.01)**
[25] EN
[54] **THERMAL BREAK WOOD STUD WITH RIGID INSULATION AND WALL FRAMING SYSTEM**
[54] **MONTANT EN BOIS DE BARRIERE THERMIQUE A SYSTEME D'OSSATURE MURALE ET D'ISOLATION RIGIDE**
[72] IVERSON, BRIAN, US
[71] IVERSON, BRIAN, US
[85] 2018-01-08
[86] 2016-06-14 (PCT/US2016/037357)
[87] (WO2017/011121)
[30] US (14/796,571) 2015-07-10

[21] **2,991,746**
[13] A1
[51] **Int.Cl. A61M 1/00 (2006.01) A61M 16/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TREATING AN AIRWAY**
[54] **SYSTEMES ET METHODES POUR TRAITER UNE VOIE AERIENNE**
[72] NYE, HOYT, US
[71] HOYT MEDICAL LLC, US
[85] 2018-01-08
[86] 2016-06-24 (PCT/US2016/039305)
[87] (WO2017/007616)
[30] US (14/795,531) 2015-07-09

[21] **2,991,747**
[13] A1
[51] **Int.Cl. C08G 69/26 (2006.01) C08L 77/06 (2006.01)**
[25] EN
[54] **LOW VISCOSITY TRANSPARENT POLYAMIDE**
[54] **POLYAMIDE TRANSPARENT A FAIBLE VISCOSITE**
[72] NATANIEL, TINA, US
[72] HEINRICH, DWIGHT, US
[71] HENKEL IP & HOLDING GMBH, DE
[85] 2018-01-08
[86] 2016-06-29 (PCT/US2016/039941)
[87] (WO2017/007648)
[30] US (62/190,304) 2015-07-09

[21] **2,991,750**
[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **RPGR GENE THERAPY FOR RETINITIS PIGMENTOSA**
[54] **THERAPIE GENIQUE RPGR POUR LE TRAITEMENT DE LA RETINITE PIGMENTAIRE**
[72] SANDBERG, MICHAEL A., US
[72] PAWLYK, BASIL, US
[72] WRIGHT, ALAN FINLAY, GB
[72] SHU, XINHUA, GB
[72] LI, TIANSEN, US
[72] ALI, ROBIN, GB
[71] MASSACHUSETTS EYE & EAR INFIRMARY, US
[71] THE MEDICAL RESEARCH COUNCIL, GB
[71] UCL BUSINESS PLC, GB
[85] 2018-01-08
[86] 2015-07-17 (PCT/US2015/040866)
[87] (WO2016/014353)
[30] US (62/028,638) 2014-07-24

[21] **2,991,758**
[13] A1
[51] **Int.Cl. B65D 5/32 (2006.01) B65D 5/42 (2006.01) B65D 5/44 (2006.01)**
[25] EN
[54] **PAPERBOARD CARTON**
[54] **BOITE EN CARTON**
[72] NOVOTNY, PETER, US
[72] RONQUILLO, JENNA MELISSA, US
[72] TUSZKIEWICZ, GEORGE, US
[71] GENERAL MILLS, INC., US
[85] 2018-01-08
[86] 2015-07-24 (PCT/US2015/041970)
[87] (WO2017/018988)

[21] **2,991,760**
[13] A1
[51] **Int.Cl. A61K 9/14 (2006.01)**
[25] EN
[54] **DRY POWDER FORMULATIONS FOR INHALATION**
[54] **FORMULATIONS DE POUDRE SECHE A INHALER**
[72] YADIDI, KAMBIZ, US
[71] OITTOPIC INC., US
[85] 2018-01-08
[86] 2015-07-31 (PCT/US2015/043128)
[87] (WO2016/019253)
[30] US (62/031,811) 2014-07-31

[21] **2,991,776**
[13] A1
[51] **Int.Cl. C05F 11/08 (2006.01) C07K 14/195 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR IMPROVING PLANT TRAITS**
[54] **PROCEDES ET COMPOSITIONS POUR AMELIORER LES CARACTERISTIQUES D'UNE PLANTE**
[72] TEMME, KARSTEN, US
[72] TAMSIR, ALVIN, US
[72] BLOCH, SARAH, US
[72] CLARK, ROSEMARY, US
[72] TUNG, EMILY, US
[71] PIVOT BIO, INC., US
[85] 2018-01-08
[86] 2016-07-13 (PCT/US2016/042170)
[87] (WO2017/011602)
[30] US (62/192,009) 2015-07-13
[30] US (62/213,567) 2015-09-02

[21] **2,991,777**
[13] A1
[51] **Int.Cl. A61K 31/282 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CANCER BY ADMINISTERING A MEK INHIBITOR IN COMBINATION WITH A PROTEASOME INHIBITOR**
[54] **METHODES DE TRAITEMENT DU CANCER PAR L'ADMINISTRATION D'UN INHIBITEUR DE MEK EN ASSOCIATION AVEC UN INHIBITEUR DU PROTEASOME**
[72] DAI, CHENGKAI, US
[72] TANG, ZIJIAN, US
[71] THE JACKSON LABORATORY, US
[85] 2018-01-08
[86] 2015-08-11 (PCT/US2015/044662)
[87] (WO2017/007495)
[30] US (62/190,563) 2015-07-09

[21] **2,991,783**
[13] A1
[51] **Int.Cl. B61H 15/00 (2006.01) B61H 1/00 (2006.01) B61H 13/28 (2006.01) B61H 13/36 (2006.01) F16D 65/38 (2006.01)**
[25] EN
[54] **TRUCK MOUNTED BRAKE SYSTEM FOR ROD-UNDER STYLE BOLSTERS**
[54] **SYSTEME DE FREIN MONTE SUR BOGIE POUR TRAVERSES DU TYPE SOUS TRINGLE**
[72] PLEGGE, RICHARD WAYNE, US
[72] GREGAR, PETER PAUL, US
[72] KOZIOL, MICHAEL, US
[71] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
[85] 2018-01-08
[86] 2016-07-29 (PCT/US2016/044610)
[87] (WO2017/019926)
[30] US (62/198,432) 2015-07-29
[30] US (15/221,834) 2016-07-28

[21] **2,991,795**
[13] A1
[51] **Int.Cl. A47J 31/44 (2006.01)**
[25] EN
[54] **ESPRESSO MILK FROTHER PROBE**
[54] **SONDE DESTINEE A FAIRE MOUSSER LE LAIT D'UN EXPRESSO**
[72] PURTON, WILLIAM WESTMORE, AU
[71] PURTON, WILLIAM WESTMORE, AU
[85] 2018-01-09
[86] 2016-07-18 (PCT/AU2016/000256)
[87] (WO2017/011853)
[30] AU (2015902907) 2015-07-22

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[21] **2,991,807**
[13] A1
[51] **Int.Cl. B61L 23/06 (2006.01) G08B 3/00 (2006.01) G08B 5/00 (2006.01) G08C 17/02 (2006.01)**
[25] EN
[54] **RAIL WARNING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'AVERTISSEMENT DE RAIL**
[72] BARTEK, PETER M., US
[71] HARSCO TECHNOLOGIES LLC, US
[85] 2018-01-08
[86] 2016-07-15 (PCT/US2016/042499)
[87] (WO2017/015110)
[30] US (62/194,029) 2015-07-17
[30] US (62/197,913) 2015-07-28

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[21] **2,991,808**
[13] A1
[51] **Int.Cl. E01B 27/13 (2006.01) E01B 27/16 (2006.01) E01B 27/20 (2006.01)**
[25] EN
[54] **COIL-OSCILLATOR VIBRATION UNIT FOR RAIL WORKHEAD**
[54] **UNITE DE VIBRATION D'OSCILLATEUR A BOBINE POUR UNITE DE TRAVAIL FERROVIAIRE**
[72] SAMI, REZA, US
[72] KOON, KENDALL, US
[71] HARSCO TECHNOLOGIES LLC, US
[85] 2018-01-08
[86] 2016-07-15 (PCT/US2016/042574)
[87] (WO2017/011775)
[30] US (62/193,375) 2015-07-16

---

[21] **2,991,809**
[13] A1
[51] **Int.Cl. A63B 71/00 (2006.01)**
[25] EN
[54] **WEARABLE DIET AND EXERCISE TRACKING DEVICE WITH ONE-SUBMISSION TRACKING**
[54] **DISPOSITIF PORTABLE DE SUIVI ALIMENTAIRE ET PHYSIQUE AVEC SUIVI A PARTIR D'UNE SEULE SAISIE DES INFORMATIONS**
[72] MROWKA, JAMES J., US
[72] CHRIST, ATHANASIOS G., US
[71] GENESANT TECHNOLOGIES, INC., US
[85] 2018-01-08
[86] 2016-07-16 (PCT/US2016/042687)
[87] (WO2017/015171)
[30] US (62/193,879) 2015-07-17
[30] US (15/041,780) 2016-02-11
[30] US (15/161,588) 2016-05-23
[30] US (15/212,051) 2016-07-15

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[21] **2,991,810**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/255 (2006.01) A61K 31/4164 (2006.01) A61K 31/421 (2006.01) A61K 31/426 (2006.01) A61K 38/00 (2006.01) A61P 13/10 (2006.01)**
[25] EN
[54] **IL-8 INHIBITORS FOR USE IN THE TREATMENT OF CERTAIN UROLOGICAL DISORDERS**
[54] **INHIBITEURS D'IL-8 DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE TROUBLES UROLOGIQUES**
[72] ALLEGRETTI, MARCELLO, IT
[72] ARAMINI, ANDREA, IT
[72] CESTA, MARIA CANDIDA, IT
[72] BIANCHINI, GIANLUCA, IT
[72] BRANDOLINI, LAURA, IT
[72] ANGELICO, PATRIZIA, IT
[71] DOMPE' FARMACEUTICI S.P.A., IT
[85] 2018-01-09
[86] 2016-07-12 (PCT/EP2016/066511)
[87] (WO2017/009323)
[30] EP (15176726.6) 2015-07-14

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[21] **2,991,813**
[13] A1
[51] **Int.Cl. F28D 7/16 (2006.01) F28F 9/00 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR**
[72] FULLER, MICHAEL, AU
[71] CONFLUX TECHNOLOGY PTY LTD, AU
[85] 2018-01-04
[86] 2016-07-08 (PCT/AU2016/050598)
[87] (WO2017/008108)
[30] AU (2015902728) 2015-07-10

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[21] **2,991,848**
[13] A1
[51] **Int.Cl. D21C 11/12 (2006.01) B08B 3/10 (2006.01) F22B 37/52 (2006.01)**
[25] EN
[54] **METHOD AND MEANS FOR RECOVERY BOILER OUTAGE**
[54] **PROCEDE ET MOYENS DE COUPURE DE CHAUDIERE DE RECUPERATION**
[72] KARJUNEN, TIMO, FI
[71] VARO TEOLLISUUSPALVELUT OY, FI
[85] 2018-01-09
[86] 2015-11-05 (PCT/FI2015/050762)
[87] (WO2017/009519)
[30] FI (20155558) 2015-07-16

[21] **2,991,858**
[13] A1
[51] **Int.Cl. H01B 3/30 (2006.01) C08K 3/22 (2006.01) C08L 101/00 (2006.01) C09D 5/25 (2006.01) C09D 201/00 (2006.01) H01B 3/00 (2006.01) H01B 7/02 (2006.01)**
[25] EN
[54] **PARTIAL DISCHARGE-RESISTANT ELECTRICAL INSULATING RESIN COMPOSITION**
[54] **COMPOSITION DE RESINE POUR ISOLATION ELECTRIQUE POUR RESISTANCE AUX DECHARGES PARTIELLES**
[72] HAYASHIZAKA, NORIYUKI, JP
[72] KAWASAKI, KAZUNORI, JP
[72] YAMASHITA, MASAYUKI, JP
[72] EBINA, TAKEO, JP
[72] ISHIDA, TAKAHIRO, JP
[72] HATTORI, SATOMI, JP
[71] SUMITOMO SEIKA CHEMICALS CO., LTD., JP
[71] NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE & TECHNOLOGY, JP
[71] SHIZUOKA INSTITUTE OF SCIENCE AND TECHNOLOGY, JP
[85] 2018-01-09
[86] 2016-07-07 (PCT/JP2016/070160)
[87] (WO2017/006999)
[30] JP (2015-138127) 2015-07-09

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[21] **2,991,862**
[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) A61K 39/395 (2006.01) C07C 59/125 (2006.01) C07F 9/09 (2006.01) C12N 9/20 (2006.01)**
[25] EN
[54] **MOTILE SPERM DOMAIN CONTAINING PROTEIN 2 AND INFLAMMATION**
[54] **PROTEINE 2 CONTENANT LE DOMAINE DU SPERME MOTILE ET INFLAMMATION**
[72] MENDEL, ITZHAK, IL
[72] PROPHETA-MEIRAN, OSHRAT, IL
[72] SALEM, YANIV, IL
[72] SHOHAM, ANAT, IL
[72] BREITBART, EYAL, IL
[71] VASCULAR BIOGENICS LTD., IL
[85] 2018-01-09
[86] 2016-07-29 (PCT/IB2016/054582)
[87] (WO2017/021855)
[30] US (62/199,609) 2015-07-31

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[21] **2,991,865**
[13] A1
[51] **Int.Cl. H03K 17/62 (2006.01) H03F 3/45 (2006.01) H04L 27/36 (2006.01)**
[25] EN
[54] **ANALOG MULTIPLEXER CORE CIRCUIT AND ANALOG MULTIPLEXER CIRCUIT**
[54] **CIRCUIT CENTRAL DE MULTIPLEXEUR ANALOGIQUE ET CIRCUIT DE MULTIPLEXEUR ANALOGIQUE**
[72] NAGATANI, MUNEHIKO, JP
[72] NOSAKA, HIDEYUKI, JP
[71] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP
[85] 2018-01-09
[86] 2016-07-21 (PCT/JP2016/071385)
[87] (WO2017/014262)
[30] JP (2015-145430) 2015-07-23

---

[21] **2,991,868**
[13] A1
[51] **Int.Cl. A61K 35/13 (2015.01) A61P 35/00 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **MOTILE SPERM DOMAIN CONTAINING PROTEIN 2 AND CANCER**
[54] **PROTEINE 2 CONTENANT LE DOMAINE DE SPERME MOTILE ET CANCER**
[72] MENDEL, ITZHAK, IL
[72] PROPHETA-MEIRAN, OSHRAT, IL
[72] SALEM, YANIV, IL
[72] SHOHAM, ANAT, IL
[72] YACOV, NIVA, IL
[72] BREITBART, EYAL, IL
[71] VASCULAR BIOGENICS LTD., IL
[85] 2018-01-09
[86] 2016-07-29 (PCT/IB2016/054584)
[87] (WO2017/021857)
[30] US (62/199,571) 2015-07-31

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[21] **2,991,874**
[13] A1
[51] **Int.Cl. B60T 7/22 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING BRAKING DEVICE AND BRAKING CONTROL DEVICE**
[54] **PROCEDE DE COMMANDE DE DISPOSITIF DE FREINAGE ET DISPOSITIF DE COMMANDE DE FREINAGE**
[72] KOMATSU, GAKUSHI, JP
[72] SUZUKI, YASUHIRO, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-01-09
[86] 2015-07-10 (PCT/JP2015/069908)
[87] (WO2017/009899)

---

[21] **2,991,877**
[13] A1
[51] **Int.Cl. H02J 9/06 (2006.01) H02M 7/48 (2007.01)**
[25] EN
[54] **UNINTERRUPTIBLE POWER SUPPLY**
[54] **DISPOSITIF SOURCE D'ALIMENTATION SANS COUPURE**
[72] SHIBATA, NAOYA, JP
[71] TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION, JP
[85] 2018-01-09
[86] 2015-07-24 (PCT/JP2015/071072)
[87] (WO2017/017719)

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[21] **2,991,882**
[13] A1
[51] **Int.Cl. H04N 5/91 (2006.01) H04N 21/234 (2011.01) H04N 21/2743 (2011.01) H04N 5/225 (2006.01) H04N 5/232 (2006.01)**
[25] EN
[54] **IMAGE MANAGEMENT SYSTEM, IMAGE MANAGEMENT METHOD AND PROGRAM**
[54] **SYSTEME DE GESTION D'IMAGE, PROCEDE DE GESTION D'IMAGE, ET PROGRAMME**
[72] TANEICHI, SATOSHI, JP
[72] WAKAMATSU, KAZUNORI, JP
[72] MAEHANA, TSUYOSHI, JP
[71] RICOH COMPANY, LTD., JP
[85] 2018-01-09
[86] 2016-07-13 (PCT/JP2016/070681)
[87] (WO2017/014126)
[30] JP (2015-144098) 2015-07-21

[21] **2,991,885**
[13] A1
[51] **Int.Cl. H04L 1/00 (2006.01) H04L 1/08 (2006.01)**
[25] EN
[54] **TRANSMITTING DEVICE, RECEIVING DEVICE AND METHODS PERFORMED THEREIN**
[54] **DISPOSITIF DE TRANSMISSION, DISPOSITIF DE RECEPTION, ET PROCEDES CORRESPONDANTS**
[72] WILHELMSSON, LEIF, SE
[72] HAGERMAN, BO, SE
[72] WANG, YI-PIN ERIC, US
[72] KHAYRALLAH, ALI S., US
[72] SAMUEL BEBAWY, MICHAEL, US
[71] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL), SE
[85] 2018-01-09
[86] 2015-02-10 (PCT/SE2015/050152)
[87] (WO2016/007060)
[30] US (62/022,349) 2014-07-09

[21] **2,991,887**
[13] A1
[51] **Int.Cl. H01L 31/18 (2006.01) C30B 1/02 (2006.01) C30B 29/54 (2006.01) H01L 31/0248 (2006.01) C30B 29/24 (2006.01)**
[25] EN
[54] **PEROVSKITE MATERIAL LAYER PROCESSING**
[54] **TRAITEMENT DE COUCHE DE MATERIAU DE PEROVSKITE**
[72] IRWIN, MICHAEL D., US
[72] CHUTE, JERRED A., US
[72] DHAS, VIVEK V., US
[71] HEE SOLAR, L.L.C., US
[85] 2018-01-09
[86] 2016-07-06 (PCT/US2016/041090)
[87] (WO2017/011239)
[30] US (14/796,468) 2015-07-10

[21] **2,991,890**
[13] A1
[51] **Int.Cl. G01S 1/04 (2006.01) H04H 20/74 (2009.01) H04W 64/00 (2009.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR GENERATING BOUNDARIES OF SATELLITE COVERAGE BEAMS**
[54] **APPAREIL ET PROCEDE POUR GENERER DES LIMITES DE FAISCEAUX DE COUVERTURE PAR SATELLITE**
[72] SALAMAT, BAHMAN, US
[72] REGUNATHAN, MURALI, US
[72] ROOS, DAVID A., US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2018-01-09
[86] 2016-07-06 (PCT/US2016/041092)
[87] (WO2017/007811)
[30] US (14/794,948) 2015-07-09

[21] **2,991,893**
[13] A1
[51] **Int.Cl. E03C 1/264 (2006.01)**
[25] EN
[54] **HAIR STRAINING DEVICE**
[54] **DISPOSITIF DE RETENUE DE POILS ET DE CHEVEUX**
[72] KARNEGIE, SERGE, US
[71] JUKA INNOVATIONS CORPORATION, US
[85] 2018-01-09
[86] 2016-09-13 (PCT/IB2016/055454)
[87] (WO2017/046703)
[30] US (62/219,223) 2015-09-16
[30] US (14/990,476) 2016-01-07

[21] **2,991,894**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) C07H 21/04 (2006.01)**
[25] EN
[54] **MODULATORS OF DIACYGLYCEROL ACYLTRANSFERASE 2 (DGAT2)**
[54] **MODULATEURS DE DIACYLGLYCEROL ACYLTRANSFERASE 2 (DGAT2)**
[72] BHANOT, SANJAY, US
[72] FREIER, SUSAN M., US
[72] SWAYZE, ERIC E., US
[71] IONIS PHARMACEUTICALS, INC., US
[85] 2018-01-09
[86] 2016-07-08 (PCT/US2016/041410)
[87] (WO2017/011276)
[30] US (62/191,231) 2015-07-10

[21] **2,991,898**
[13] A1
[51] **Int.Cl. A61K 31/54 (2006.01)**
[25] EN
[54] **HETEROARYL CARBONITRILES FOR THE TREATMENT OF DISEASE**
[54] **CARBONITRILES HETEROARYLES POUR LE TRAITEMENT DE MALADIE**
[72] HSIAO, JANE H., US
[72] FROST, PHILLIP, US
[71] OPKO HEALTH, INC., US
[85] 2018-01-09
[86] 2016-07-12 (PCT/US2016/041876)
[87] (WO2017/011445)
[30] US (62/192,772) 2015-07-15

[21] **2,991,899**
[13] A1
[51] **Int.Cl. G01K 3/04 (2006.01) G01K 7/34 (2006.01) G01K 11/00 (2006.01) G01K 13/00 (2006.01)**
[25] EN
[54] **THERMAL EVENT SENSOR**
[54] **CAPTEUR D'EVENEMENT THERMIQUE**
[72] BOUSQUET, ROB A., US
[72] HOLLOSI, BRENT M., US
[72] SMIGELSKI, ZACHARY R., US
[72] UY, WES, US
[72] FREIFELD, GEREMY, US
[72] CHAPARALA, MURALI, US
[71] THE CHARLES STARK DRAPER LABORATORY, INC., US
[85] 2018-01-09
[86] 2016-07-08 (PCT/US2016/041496)
[87] (WO2017/058330)
[30] US (62/191,015) 2015-07-10

[21] **2,991,902**
[13] A1
[51] **Int.Cl. C04B 26/06 (2006.01) C04B 28/02 (2006.01) E06B 5/16 (2006.01)**
[25] EN
[54] **WATER REPELLENT SPRAY APPLIED FIRE RESISTIVE MATERIALS**
[54] **MATERIAUX RESISTANTS AU FEU APPLIQUES PAR PULVERISATION HYDROFUGES**
[72] LI, QINGHUA, US
[71] UNITED STATES MINERAL PRODUCTS COMPANY, US
[85] 2018-01-09
[86] 2016-07-12 (PCT/US2016/041919)
[87] (WO2017/011467)
[30] US (14/801,401) 2015-07-16

[21] **2,991,903**
[13] A1
[51] **Int.Cl. A61N 1/04 (2006.01) A61N 1/05 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **IMPLANTABLE NERVE STIMULATOR HAVING INTERNAL ELECTRONICS WITHOUT ASIC AND METHODS OF USE**
[54] **STIMULATEUR DE NERF IMPLANTABLE POSSEDANT UNE ELECTRONIQUE INTERNE SANS CIRCUIT INTEGRE SPECIFIQUE ET PROCEDES D'UTILISATION**
[72] NASSIF, RABIH, US
[71] AXONICS MODULATION TECHNOLOGIES, INC., US
[85] 2018-01-09
[86] 2016-07-08 (PCT/US2016/041508)
[87] (WO2017/011305)
[30] US (62/191,134) 2015-07-10

[21] **2,991,907**
[13] A1
[51] **Int.Cl. A61K 39/02 (2006.01) A61K 39/108 (2006.01)**
[25] EN
[54] **PROTEINS AND IMMUNIZING COMPOSITIONS CONTAINING KLEBSIELLA PROTEINS AND METHODS OF USE**
[54] **PROTEINES ET COMPOSITIONS IMMUNISANTES CONTENANT DES PROTEINES DE KLEBSIELLA ET LEURS PROCEDES D'UTILISATION**
[72] BURKHARDT, DOUGLAS T., US
[72] EMERY, DARYLL, US
[72] STRAUB, DARREN, US
[71] EPITOPIX LLC., US
[85] 2018-01-09
[86] 2016-07-08 (PCT/US2016/041614)
[87] (WO2017/011340)
[30] US (62/190,947) 2015-07-10

[21] **2,991,911**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) C12N 15/113 (2010.01) A61P 1/16 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS TO TREAT DRUG-INDUCED DISEASES AND CONDITIONS**
[54] **PROCEDES ET COMPOSITIONS POUR TRAITER DES MALADIES ET DES ETATS INDUITS PAR DES MEDICAMENTS**
[72] RINCON, MERCEDES, US
[72] MARTINEZ CHANTAR, MARIA LUZ, ES
[72] ANGUITA, JUAN, ES
[72] DIENZ, OLIVER, US
[71] UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE, US
[71] ASOCIACION CENTRO DE INVESTIGACION COOPERATIVA EN BIOCIENCIAS-CIC BIOGUNE, ES
[85] 2018-01-09
[86] 2016-07-09 (PCT/US2016/041663)
[87] (WO2017/011356)
[30] US (62/190,803) 2015-07-10
[30] US (62/324,584) 2016-04-19

[21] **2,991,913**
[13] A1
[51] **Int.Cl. G10L 13/02 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OUTLIER IDENTIFICATION TO REMOVE POOR ALIGNMENTS IN SPEECH SYNTHESIS**
[54] **SYSTEME ET PROCEDE D'IDENTIFICATION DE POINT ABERRANT POUR ELIMINER LES DEFAUTS D'ALIGNEMENT DANS LA SYNTHESE VOCALE**
[72] RAGHAVENDRA, E. VEERA, US
[72] GANAPATHIRAJU, ARAVIND, US
[71] INTERACTIVE INTELLIGENCE GROUP, INC., US
[85] 2018-01-09
[86] 2015-06-11 (PCT/US2015/035342)
[87] (WO2016/200391)

[21] **2,991,916**
[13] A1
[51] **Int.Cl. B29B 11/14 (2006.01) B29B 11/08 (2006.01) B32B 27/08 (2006.01) B32B 27/40 (2006.01)**
[25] EN
[54] **HOLLOW PLASTIC ARTICLE, PARTICULARLY A PREFORM OR CONTAINER, WITH A POLYMER BARRIER AND METHOD FOR PRODUCING THEREOF**
[54] **OBJET PLASTIQUE CREUX, NOTAMMENT PREFORME, OU CONTENANT, A BARRIERE POLYMERE ET PROCEDE DE FABRICATION ASSOCIE**
[72] DE CUYPER, DIRK, BE
[72] DIERICKX, WILLIAM, BE
[72] ANTHIERENS, TOM, BE
[72] VERLINDE, DIRK, BE
[71] RESILUX, BE
[85] 2018-01-10
[86] 2016-07-10 (PCT/BE2016/000033)
[87] (WO2017/008129)
[30] BE (2015/0199) 2015-07-10

[21] **2,991,918**
[13] A1
[51] **Int.Cl. C12M 1/34 (2006.01) A61B 10/00 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **POINT OF CARE POLYMERASE CHAIN REACTION DEVICE FOR DISEASE DETECTION**
[54] **DISPOSITIF DE REACTION EN CHAINE PAR POLYMERASE DELOCALISE POUR LE DEPISTAGE DE MALADIES**
[72] MAHONY, JAMES, CA
[72] STONE, CHRISTOPHER, CA
[72] CHEN, HAO, CA
[72] COSTA, MARK, CA
[72] LIM, BERNARD, CA
[71] ADVANCED THERANOSTICS INC., CA
[85] 2018-01-10
[86] 2015-07-10 (PCT/CA2015/050648)
[87] (WO2016/004539)
[30] US (62/023,468) 2014-07-11

[21] **2,991,920**
[13] A1
[51] **Int.Cl. G02B 21/26 (2006.01) G02B 21/36 (2006.01) G02B 27/32 (2006.01) H02N 2/02 (2006.01)**
[25] EN
[54] **MULTIFOCAL METHOD AND APPARATUS FOR STABILIZATION OF OPTICAL SYSTEMS**
[54] **PROCEDE ET APPAREIL MULTIFOCAUX PERMETTANT UNE STABILISATION DES SYSTEMES OPTIQUES**
[72] CHOU, KENG, CA
[72] TAFTEH, REZA, CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2018-01-10
[86] 2016-04-22 (PCT/CA2016/050474)
[87] (WO2016/168941)
[30] US (62/151,569) 2015-04-23

[21] **2,991,921**
[13] A1
[51] **Int.Cl. A61K 31/519 (2006.01) A61K 9/00 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **METHOTREXATE FOR PROLIFERATIVE VITREORETINOPATHY**
[54] **METHOTREXATE POUR LE TRAITEMENT DE LA VITREORETINOPATHIE PROLIFERANTE**
[72] ELIOTT, DEAN, US
[72] STRYJEWSKI, TOMASZ P., US
[71] MASSACHUSETTS EYE AND EAR INFIRMARY, US
[85] 2018-01-09
[86] 2015-07-30 (PCT/US2015/042951)
[87] (WO2016/019165)
[30] US (62/030,778) 2014-07-30

[21] **2,991,924**
[13] A1
[51] **Int.Cl. G05B 13/02 (2006.01) G05D 19/00 (2006.01) H02J 3/00 (2006.01) H02J 3/12 (2006.01) H02J 3/14 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **FREQUENCY THRESHOLD DETERMINATION FOR FREQUENCY-RESPONSIVE LOAD CONTROLLERS**
[54] **DETERMINATION DU SEUIL DE FREQUENCE POUR DES CONTROLEURS DE CHARGE REAGISSANT A LA FREQUENCE**
[72] LIAN, JIANMING, US
[72] SUN, YANNAN, US
[72] MARINOVICI, LAURENTIU D., US
[72] KALSI, KARANJIT, US
[72] HANSEN, JACOB, US
[71] BATTELLE MEMORIAL INSTITUTE, US
[85] 2018-01-09
[86] 2016-04-22 (PCT/US2016/028901)
[87] (WO2017/019136)
[30] US (62/197,979) 2015-07-28

[21] **2,991,925**
[13] A1
[51] **Int.Cl. C12N 15/861 (2006.01) A61K 39/00 (2006.01) C12N 5/10 (2006.01) C12N 7/01 (2006.01) C12N 15/34 (2006.01)**
[25] EN
[54] **FOWL ADENOVIRUS 9 (FADV-9) VECTOR SYSTEM AND ASSOCIATED METHODS**
[54] **SYSTEME DE VECTEUR A BASE D'ADENOVIRUS AVIAIRE 9 (FADV-9) ET METHODES ASSOCIEES**
[72] PEI, YANLONG, CA
[72] ACKFORD, JAMES, CA
[72] CORREDOR, JUAN CARLOS, CA
[72] KRELL, PETER J., CA
[72] NAGY, EVA, CA
[71] UNIVERSITY OF GUELPH, CA
[85] 2018-01-10
[86] 2016-07-11 (PCT/CA2016/050811)
[87] (WO2017/008154)
[30] US (62/190,913) 2015-07-10

[21] **2,991,927**
[13] A1
[51] **Int.Cl. A61F 5/01 (2006.01) A61F 5/37 (2006.01)**
[25] EN
[54] **TOOL SUPPORTING WRIST BRACE**
[54] **APPAREIL ORTHOPEDIQUE POUR LE POIGNET A SUPPORT D'OUTIL**
[72] KOTCHAPAW, LANDON, CA
[71] KOTCHAPAW, LANDON, CA
[85] 2018-01-10
[86] 2016-07-13 (PCT/CA2016/050826)
[87] (WO2017/008162)
[30] US (62/191,604) 2015-07-13

[21] **2,991,929**
[13] A1
[51] **Int.Cl. A63B 21/06 (2006.01) A63B 24/00 (2006.01) A63B 71/06 (2006.01)**
[25] EN
[54] **STRENGTH TRAINING DEVICE USING MAGNETORHEOLOGICAL FLUID CLUTCH APPARATUS**
[54] **DISPOSITIF D'ENTRAINEMENT PHYSIQUE EMPLOYANT UN APPAREIL D'EMBRAYAGE A FLUIDE MAGNETORHEOLOGIQUE**
[72] LAROSE, PASCAL, CA
[72] DENNINGER, MARC, CA
[72] JULIO, GUIFRE, CA
[72] PLANTE, JEAN-SEBASTIEN, CA
[71] EXONETIK INC., CA
[85] 2018-01-10
[86] 2016-08-24 (PCT/CA2016/050995)
[87] (WO2017/031585)
[30] US (62/208,963) 2015-08-24
[30] US (62/334,039) 2016-05-10

[21] **2,991,930**
[13] A1
[51] **Int.Cl. B60B 37/10 (2006.01)**
[25] EN
[54] **WHEEL AXLE ASSEMBLY**
[54] **ENSEMBLE ESSIEU DE ROUE**
[72] CARTER, MARK C., US
[71] CARTER, MARK C., US
[85] 2018-01-09
[86] 2016-05-19 (PCT/US2016/033308)
[87] (WO2016/209436)
[30] US (14/746,478) 2015-06-22

[21] **2,991,932**
[13] A1
[51] **Int.Cl. A45F 3/46 (2006.01)**
[25] EN
[54] **MULTIFUNCTIONAL PICNIC BOX**
[54] **BOITE DE PIQUE-NIQUE MULTIFONCTIONNELLE**
[72] WANG, TIANKUN, CN
[71] SUZHOU SKY INDUSTRIAL CO., LTD., CN
[85] 2018-01-10
[86] 2016-08-18 (PCT/CN2016/095833)
[87] (WO2018/006476)
[30] CN (201610534693.1) 2016-07-08

[21] **2,991,943**
[13] A1
[51] **Int.Cl. A61B 18/00 (2006.01) A61B 17/00 (2006.01) A61B 18/02 (2006.01) A61B 18/14 (2006.01)**
[25] EN
[54] **ABLATION CATHETER DEVICE WITH ELECTRODES FOR DETECTING AN ELECTRIC RESPONSE OF BIOLOGICAL MATERIAL**
[54] **DISPOSITIF DE CATHETER D'ABLATION AVEC DES ELECTRODES POUR DETECTER UNE REPONSE ELECTRIQUE DE MATIERE BIOLOGIQUE**
[72] FISCHER, GERALD, AT
[71] AFREEZE GMBH, AT
[85] 2018-01-10
[86] 2016-07-07 (PCT/EP2016/066107)
[87] (WO2017/009165)
[30] EP (15176350.5) 2015-07-10

[21] **2,991,945**
[13] A1
[51] **Int.Cl. B62D 21/04 (2006.01) B60K 1/00 (2006.01) B60K 1/02 (2006.01)**
[25] EN
[54] **ARRANGEMENT OF CENTRAL LOAD - CARRYING TUBE OF MOTOR VEHICLE CHASSIS WITH INTEGRATED ROTARY ELECTRIC MOTOR, METHOD OF ITS PLACEMENT AND USE**
[54] **AGENCEMENT DE TUBE DE TRANSPORT DE CHARGE CENTRALE DE CHASSIS DE VEHICULE AUTOMOBILE AVEC MOTEUR ELECTRIQUE ROTATIF INTEGRE, PROCEDE DE MISE EN PLACE ET UTILISATION DE CELUI-CI**
[72] POLDEN, ROBIN, CZ
[71] GI4 S.R.O., CZ
[85] 2018-01-10
[86] 2016-04-04 (PCT/CZ2016/000035)
[87] (WO2017/008770)
[30] CZ (PV 2015-500) 2015-07-15
[30] CZ (PUV 2015-31358) 2015-07-27

[21] **2,991,950**
[13] A1
[51] **Int.Cl. A24F 47/00 (2006.01) A61M 15/00 (2006.01)**
[25] EN
[54] **A RUPTURING SYSTEM FOR AN AEROSOL-GENERATING SYSTEM**
[54] **SYSTEME DE RUPTURE POUR UN SYSTEME DE GENERATION D'AEROSOL**
[72] BUEHLER, FREDERIC ULYSSE, CH
[72] BATISTA, RUI NUNO, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-01-10
[86] 2016-08-08 (PCT/EP2016/068912)
[87] (WO2017/029150)
[30] EP (15181166.8) 2015-08-14

[21] **2,991,951**
[13] A1
[51] **Int.Cl. C11D 1/75 (2006.01) C11D 1/62 (2006.01) C11D 1/835 (2006.01) C11D 1/94 (2006.01) C11D 3/60 (2006.01)**
[25] EN
[54] **CONTROLLED RATE OF FOAM BREAKAGE IN HARD SURFACE CLEANERS**
[54] **DEBIT CONTROLE DE RUPTURE DE MOUSSE DANS DES PRODUITS DE NETTOYAGE DE SURFACES DURES**
[72] LARSON, DALE, US
[71] ECOLAB USA INC., US
[85] 2018-01-09
[86] 2016-06-22 (PCT/US2016/038599)
[87] (WO2017/011158)
[30] US (62/192,267) 2015-07-14

[21] **2,991,973**
[13] A1
[51] **Int.Cl. C07C 243/28 (2006.01) A61K 45/06 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) C07C 275/50 (2006.01) C07C 311/55 (2006.01) C07D 207/452 (2006.01) C07D 213/71 (2006.01) C07D 403/14 (2006.01) C07K 5/065 (2006.01)**
[25] EN
[54] **BRIDGE LINKERS FOR CONJUGATION OF A CELL-BINDING MOLECULE**
[54] **LIEURS DE PONTAGE POUR LA CONJUGAISON D'UNE MOLECULE DE LIAISON CELLULAIRE**
[72] ZHAO, ROBERT YONGXIN, US
[71] SUZHOU M-CONJ BIOTECH CO., LTD, CN
[71] ZHAO, ROBERT YONGXIN, US
[85] 2018-01-10
[86] 2015-07-12 (PCT/IB2015/055264)
[87] (WO2015/151081)

[21] **2,991,976**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **ANTI-PD-1 ANTIBODIES, ACTIVATABLE ANTI-PD-1 ANTIBODIES, AND METHODS OF USE THEREOF**
[54] **ANTICORPS ANTI-PD-1, ANTICORPS ANTI-PD-1 ACTIVABLES, ET LEURS PROCEDES D'UTILISATION**
[72] TIPTON, KIMBERLY ANN, US
[72] WEST, JAMES WILLIAM, US
[72] CHAN, CHANTY MARIATEGUE, US
[71] CYTOMX THERAPEUTICS, INC., US
[85] 2018-01-09
[86] 2016-07-13 (PCT/US2016/042141)
[87] (WO2017/011580)
[30] US (62/191,902) 2015-07-13
[30] US (62/205,825) 2015-08-17
[30] US (62/295,314) 2016-02-15
[30] US (62/323,543) 2016-04-15
[30] US (62/333,629) 2016-05-09

[21] **2,991,977**
[13] A1
[51] **Int.Cl. C25D 11/02 (2006.01) B23P 17/00 (2006.01)**
[25] EN
[54] **FORMING AN ARTICLE MADE OF METAL MATRIX COMPOSITE**
[54] **FORMATION D'UN ARTICLE CONSTITUE D'UN COMPOSITE A MATRICE METALLIQUE**
[72] LIFCHITS, ALEXANDRE, CA
[72] HENTZELT, RICHARD, CA
[71] RAYTHEON CANADA LIMITED, CA
[85] 2018-01-10
[86] 2016-05-16 (PCT/IB2016/000740)
[87] (WO2017/009700)
[30] US (14/801,662) 2015-07-16

[21] **2,991,984**
[13] A1
[51] **Int.Cl. C07K 7/08 (2006.01) C07K 7/06 (2006.01) C07K 14/54 (2006.01)**
[25] EN
[54] **PEPTIDE INHIBITORS OF INTERLEUKIN-23 RECEPTOR AND THEIR USE TO TREAT INFLAMMATORY DISEASES**
[54] **PEPTIDES INHIBITEURS DU RECEPTEUR DE L'INTERLEUKINE-23 ET LEUR UTILISATION POUR TRAITER DES MALADIES INFLAMMATOIRES**
[72] BHANDARI, ASHOK, US
[72] BOURNE, GREGORY, AU
[72] CHENG, XIAOLI, US
[72] FREDERICK, BRIAN TROY, US
[72] ZHANG, JIE, AU
[72] PATEL, DINESH V., US
[72] LIU, DAVID, US
[71] PROTAGONIST THERAPEUTICS, INC., US
[85] 2018-01-09
[86] 2016-07-15 (PCT/US2016/042680)
[87] (WO2017/011820)
[30] US (PCT/US15/40658) 2015-07-15
[30] US (14/800,627) 2015-07-15
[30] US (62/264,820) 2015-12-08
[30] US (62/281,123) 2016-01-20

[21] **2,991,985**
[13] A1
[51] **Int.Cl. B01D 53/26 (2006.01) C10L 3/10 (2006.01)**
[25] EN
[54] **PRETREATMENT EQUIPMENT FOR HYDROCARBON GAS TO BE LIQUEFIED AND SHIPPING BASE EQUIPMENT**
[54] **EQUIPEMENT DE PRETRAITEMENT PERMETTANT LA LIQUEFACTION D'UN HYDROCARBURE GAZEUX ET EQUIPEMENT DE BASE D'EXPEDITION**
[72] MURAOKA, TOMOHIDE, JP
[71] JGC CORPORATION, JP
[85] 2018-01-10
[86] 2015-08-27 (PCT/JP2015/004315)
[87] (WO2017/033217)

[21] **2,991,986**
[13] A1
[51] **Int.Cl. C09K 11/06 (2006.01) C09K 11/61 (2006.01) G01N 21/64 (2006.01) G01T 1/20 (2006.01) G21K 4/00 (2006.01)**
[25] EN
[54] **FLUORINE RESISTANT, RADIATION RESISTANT, AND RADIATION DETECTION GLASS SYSTEMS**
[54] **SYSTEMES DE VERRE RESISTANT AU FLUOR, RESISTANT AUX RADIATIONS ET DE DETECTION DE RADIATION**
[72] MARGARYAN, ASHOT A., US
[72] MARGARYAN, ALFRED A., US
[71] AFO RESEARCH, INC, US
[85] 2018-01-09
[86] 2016-07-18 (PCT/US2016/042709)
[87] (WO2017/015176)
[30] US (62/194,239) 2015-07-19
[30] US (15/212,263) 2016-07-17

[21] **2,992,005**
[13] A1
[51] **Int.Cl. B60R 19/18 (2006.01) B60R 19/00 (2006.01) B60R 19/02 (2006.01) B60R 19/04 (2006.01) B60R 21/00 (2006.01)**
[25] EN
[54] **BUMPER BEAM**
[54] **POUTRE DE PARE-CHOCS**
[72] JADHAV, AMAR RAJENDRA, US
[72] YALDO, JOSEPH MATTHEW, US
[72] GUJJAL, SHRIKANTH, US
[72] CAITO, JOHN J., US
[72] MELLIS, JEFFREY, US
[71] MAGNA INTERNATIONAL INC., CA
[85] 2018-01-09
[86] 2016-07-21 (PCT/US2016/043373)
[87] (WO2017/015482)
[30] US (62/194,960) 2015-07-21

[21] **2,992,006**
[13] A1
[51] **Int.Cl. G01C 21/30 (2006.01) G08G 1/00 (2006.01)**
[25] EN
[54] **OWN-POSITION ESTIMATION DEVICE AND OWN-POSITION ESTIMATION METHOD**
[54] **DISPOSITIF ET PROCEDE D'ESTIMATION D'UNE POSITION PROPRE**
[72] ASAI, TOSHIHIRO, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-01-10
[86] 2015-07-13 (PCT/JP2015/070008)
[87] (WO2017/009923)

[21] **2,992,009**
[13] A1
[51] **Int.Cl. H01M 8/02 (2016.01) H01M 8/24 (2016.01)**
[25] EN
[54] **SEAL STRUCTURE FOR FUEL CELL**
[54] **STRUCTURE D'ETANCHEITE POUR PILE A COMBUSTIBLE**
[72] IRITSUKI, KEITA, JP
[72] IZUMI, TAKAO, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-01-10
[86] 2015-07-13 (PCT/JP2015/070048)
[87] (WO2017/009935)

[21] **2,992,012**
[13] A1
[51] **Int.Cl. A47J 37/00 (2006.01) A47J 37/01 (2006.01) A47J 37/04 (2006.01)**
[25] EN
[54] **WARMING OVEN**
[54] **CHAUFFE-PLAT**
[72] BETTENCOURT, STEPHEN, US
[71] HUESTIS MACHINE CORPORATION, US
[85] 2018-01-10
[86] 2015-07-16 (PCT/US2015/040738)
[87] (WO2017/011016)
[30] US (14/796,554) 2015-07-10

[21] **2,992,015**
[13] A1
[51] **Int.Cl. E21B 34/02 (2006.01) E21B 21/08 (2006.01) E21B 33/03 (2006.01) E21B 33/038 (2006.01) E21B 33/06 (2006.01)**
[25] EN
[54] **DIVERTER FOR DRILLING OPERATION**
[54] **DEFLECTEUR POUR OPERATION DE FORAGE**
[72] WEBB, DAVID, US
[72] ROMERO, RICHARD, US
[72] ZIPPERER, MIKE, US
[71] EQUIPMENT RESOURCES INTERNATIONAL, INC., US
[85] 2018-01-10
[86] 2016-05-27 (PCT/US2016/034804)
[87] (WO2017/023402)
[30] US (62/201,362) 2015-08-05

[21] **2,992,016**
[13] A1
[51] **Int.Cl. A61K 31/405 (2006.01) A61K 31/198 (2006.01) A61K 31/661 (2006.01)**
[25] EN
[54] **SALTS AND PRODRUGS OF 1-METHYL-D-TRYPTOPHAN**
[54] **SELS ET PROMEDICAMENTS DE 1-METHYL-D-TRYPTOPHANE**
[72] MAUTINO, MARIO, US
[72] KUMAR, SANJEEV, US
[72] JAIPURI, FIROZ, US
[72] WALDO, JESSE, US
[72] POTTURI, HIMA, US
[72] ZHUANG, HONG, US
[71] NEWLINK GENETICS CORPORATION, US
[85] 2018-01-10
[86] 2016-06-02 (PCT/US2016/035391)
[87] (WO2017/019175)
[30] US (62/196,671) 2015-07-24
[30] US (62/305,748) 2016-03-09

[21] **2,992,017**
[13] A1
[51] **Int.Cl. B60P 1/00 (2006.01) B60P 3/00 (2006.01) B62D 57/028 (2006.01) B62D 57/032 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR TRANSPORTING AND STEERING A HEAVY LOAD**
[54] **PROCEDE ET APPAREIL POUR LE TRANSPORT ET LA DIRECTION D'UNE CHARGE LOURDE**
[72] CSERGEI, STEVEN ANDREW, US
[72] CRISP, IRA JAMES, US
[71] COLUMBIA TRAILER CO., INC., US
[85] 2018-01-10
[86] 2016-06-30 (PCT/US2016/040529)
[87] (WO2017/014932)
[30] US (62/195,466) 2015-07-22
[30] US (15/197,430) 2016-06-29

[21] **2,992,018**
[13] A1
[51] **Int.Cl. C22B 3/24 (2006.01) B01J 41/08 (2017.01) C22B 11/08 (2006.01) G01N 1/02 (2006.01) G01N 21/85 (2006.01)**
[25] EN
[54] **A MEASUREMENT APPARATUS FOR MEASURING A VOLUME OF A DESIRED SOLID COMPONENT IN A SAMPLE VOLUME OF A SOLID-LIQUID SLURRY**
[54] **APPAREIL DE MESURE D'UN VOLUME D'UN COMPOSANT SOLIDE DESIRE DANS UN VOLUME D'UN ECHANTILLON DE BOUE SOLIDE-LIQUIDE**
[72] MCGRATH, TERESA DIANE HAYWARD, AU
[72] HUBBLE, MARK ROBERT, AU
[72] MCCALLUM, WILLIAM JOHN, AU
[72] STAUNTON, WILLIAM PATRICK, AU
[71] CURTIN UNIVERSITY, AU
[85] 2018-01-08
[86] 2015-07-13 (PCT/AU2015/000410)
[87] (WO2017/008097)

[21] **2,992,020**
[13] A1
[51] **Int.Cl. B29B 11/08 (2006.01)**
[25] EN
[54] **A PREFORM, A MOLD STACK FOR PRODUCING THE PREFORM, AND A PREFORM HANDLING APPARATUS FOR HANDLING THE PREFORM**
[54] **PREFORME, EMPILEMENT DE MOULES POUR PRODUIRE LA PREFORME, ET APPAREIL DE MANIPULATION DE PREFORME POUR MANIPULER LA PREFORME**
[72] WITZ, JEAN-CHRISTOPHE, FR
[72] FISCH, RALF WALTER, DE
[72] BECK, CHRISTOPHE SIMON PIERRE, FR
[71] HUSKY INJECTION MOLDING SYSTEMS LTD., CA
[85] 2018-01-09
[86] 2016-06-16 (PCT/CA2016/050701)
[87] (WO2017/020116)
[30] US (62/199,296) 2015-07-31
[30] US (62/315,396) 2016-03-30

[21] **2,992,022**
[13] A1
[51] **Int.Cl. B32B 5/06 (2006.01) B32B 5/08 (2006.01) B32B 5/26 (2006.01) B32B 37/18 (2006.01)**
[25] EN
[54] **TEXTILE LAMINATE, TEXTILE LAMINATE PRODUCTION METHOD, AND TEXTILE LAMINATE PRODUCTION DEVICE**
[54] **STRATIFIE TEXTILE, PROCEDE DE FABRICATION DE STRATIFIE TEXTILE ET DISPOSITIF DE FABRICATION DE STRATIFIE TEXTILE**
[72] HORI, FUJIO, JP
[72] KAMIYA, RYUTA, JP
[71] KABUSHIKI KAISHA TOYOTA JIDOSHOKKI, JP
[85] 2018-01-10
[86] 2016-07-14 (PCT/JP2016/070895)
[87] (WO2017/018235)
[30] JP (2015-148903) 2015-07-28

[21] **2,992,023**
[13] A1
[51] **Int.Cl. E21B 43/26 (2006.01)**
[25] EN
[54] **ENCAPSULATED AGENT AND VARIABLE VISCOSITY FLUID**
[54] **CAPSULE ET FLUIDE A VISCOSITE VARIABLE**
[72] HOMMA, MASATOSHI, JP
[72] NODA, KAZUYUKI, JP
[72] SHINANO, HIROKATSU, JP
[72] ISHIKAWA, YOSHIHIRO, JP
[72] SAWAMOTO, DAISUKE, JP
[72] AKIMOTO, KENSAKU, JP
[71] ADEKA CORPORATION, JP
[85] 2018-01-10
[86] 2016-07-29 (PCT/JP2016/072381)
[87] (WO2017/022680)
[30] JP (2015-152589) 2015-07-31

[21] **2,992,024**
[13] A1
[51] **Int.Cl. C07C 275/34 (2006.01) A61K 31/17 (2006.01) A61K 31/192 (2006.01) A61K 31/235 (2006.01) A61K 31/337 (2006.01) A61K 31/44 (2006.01) A61K 31/4406 (2006.01) A61K 31/4409 (2006.01) A61K 31/4465 (2006.01) A61K 31/455 (2006.01) A61K 31/495 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 43/00 (2006.01) C07C 275/30 (2006.01) C07C 275/32 (2006.01) C07D 211/46 (2006.01) C07D 213/30 (2006.01) C07D 213/68 (2006.01) C07D 213/81 (2006.01) C07D 213/82 (2006.01) C07D 305/08 (2006.01) C07D 403/04 (2006.01)**
[25] EN
[54] **UREA DERIVATIVE AND USE THEREFOR**
[54] **DERIVE D'UREE ET UTILISATION ASSOCIEE**
[72] NISHIO, YUKIHIRO, JP
[72] YAMAMOTO, MASASHI, JP
[72] KUBOTA, YUKO, JP
[72] TSUTSUI, HIDEYUKI, JP
[72] MASUDA, TOMOHIDE, JP
[72] OKIMURA, KEIICHI, JP
[72] UDAGAWA, SYUJI, JP
[72] KAINO, MIE, JP
[72] MEGURO, HIROYUKI, JP
[72] SEKIYA, YUMIKO, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2018-01-10
[86] 2016-08-31 (PCT/JP2016/075497)
[87] (WO2017/038871)
[30] JP (2015-170014) 2015-08-31

[21] **2,992,027**
[13] A1
[51] **Int.Cl. C12N 1/12 (2006.01) C07K 14/00 (2006.01) C07K 14/195 (2006.01) C12N 1/13 (2006.01) C12N 9/88 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **MICROORGANISMS WITH BROADENED LIGHT ABSORPTION CAPABILITY AND INCREASED PHOTOSYNTHETIC ACTIVITY**
[54] **MICRO-ORGANISMES A CAPACITE D'ABSORPTION ELARGIE DE LA LUMIERE ET ACTIVITE PHOTOSYNTHETIQUE ACCRUE**
[72] ROBERTS, JAMES, US
[72] DOUGHTY, DAVID M., US
[71] LUMEN BIOSCIENCE, INC., US
[71] RELIANCE HOLDING USA, INC., US
[85] 2018-01-08
[86] 2016-07-07 (PCT/US2016/041384)
[87] (WO2017/011273)
[30] US (62/191,171) 2015-07-10

[21] **2,992,030**
[13] A1
[51] **Int.Cl. B26F 1/38 (2006.01) B26D 5/06 (2006.01) B26D 7/08 (2006.01) B26F 3/00 (2006.01)**
[25] EN
[54] **METHODS OF CUTTING FIBER REINFORCED POLYMER COMPOSITE WORKPIECES WITH A PURE WATERJET**
[54] **PROCEDES DE COUPE DE PIECES A TRAVAILLER COMPOSITES EN POLYMERE RENFORCE PAR DES FIBRES AVEC UN JET D'EAU PURE**
[72] HASHISH, MOHAMED A., US
[72] BURNHAM, CHARLES D., US
[72] CRAIGEN, STEVEN J., US
[71] FLOW INTERNATIONAL CORPORATION, US
[85] 2018-01-08
[86] 2016-07-11 (PCT/US2016/041774)
[87] (WO2017/011400)
[30] US (14/798,222) 2015-07-13

[21] **2,992,035**
[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01) A61B 1/018 (2006.01)**
[25] EN
[54] **CONTROL ASSEMBLIES FOR MEDICAL DEVICES AND RELATED METHODS OF USE**
[54] **ENSEMBLES DE COMMANDE POUR DISPOSITIFS MEDICAUX ET PROCEDES D'UTILISATION ASSOCIES**
[72] SMITH, PAUL, US
[72] TONG, RAY HEWENSON, US
[72] WINER, JASON, US
[72] SUON, NAROUN, US
[72] RAYBIN, SAMUEL, US
[72] GRAHAM, DAVID, US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2018-01-09
[86] 2016-10-05 (PCT/US2016/055427)
[87] (WO2017/062410)
[30] US (62/237,860) 2015-10-06
[30] US (15/285,242) 2016-10-04

[21] **2,992,038**
[13] A1
[51] **Int.Cl. A61B 5/02 (2006.01) A61B 5/021 (2006.01) A61B 5/0295 (2006.01) A61B 5/0402 (2006.01)**
[25] EN
[54] **DEVICE FOR MEASURING BIOLOGICAL SIGNALS**
[54] **DISPOSITIF DE MESURE DE SIGNAUX BIOLOGIQUES**
[72] CENTEN, COREY JAMES, CA
[71] BODYPORT INC., US
[71] CENTEN, COREY JAMES, CA
[71] SMITH, SARAH ANN, CA
[85] 2018-01-09
[86] 2015-11-02 (PCT/CA2015/051120)
[87] (WO2017/008138)
[30] US (62/191,318) 2015-07-10

[21] **2,992,052**
[13] A1
[51] **Int.Cl. C25B 1/04 (2006.01) B82Y 30/00 (2011.01) H01L 29/20 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS RELATING TO PHOTOCHEMICAL WATER SPLITTING**
[54] **PROCEDES ET SYSTEMES SE RAPPORTANT A LA DIVISION PHOTOCHIMIQUE DE L'EAU**
[72] KIBRIA, MD GOLAM, CA
[72] CHOWDHURY, MOHAMMAD FAQRUL ALAM, CA
[72] MI, ZETIAN, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY, CA
[85] 2018-01-10
[86] 2015-07-31 (PCT/CA2015/000449)
[87] (WO2016/015134)
[30] US (62/031,235) 2014-07-31

[21] **2,992,055**
[13] A1
[51] **Int.Cl. A61B 17/32 (2006.01) A61L 2/28 (2006.01)**
[25] EN
[54] **ULTRASONIC MEDICAL PROBE WITH FAILSAFE FOR STERILITY AND ASSOCIATED METHOD**
[54] **SONDE MEDICALE A ULTRASONS A SECURITE INTEGREE DE STERILITE ET PROCEDE ASSOCIE**
[72] ISOLA, SCOTT, US
[72] DARIAN, ALEXANDER, US
[72] VOIC, DAN, US
[72] MANNA, RONALD, US
[71] MISONIX, INCORPORATED, US
[85] 2018-01-09
[86] 2016-07-07 (PCT/US2016/041305)
[87] (WO2017/007918)
[30] US (14/795,667) 2015-07-09

[21] **2,992,056**
[13] A1
[51] **Int.Cl. B24D 13/06 (2006.01) B24D 9/08 (2006.01) B24D 13/08 (2006.01)**
[25] EN
[54] **GRINDING DISC**
[54] **MEULE**
[72] SCHUSTER, JAN, DE
[71] LUKAS-ERZETT VEREINIGTE SCHLEIF- UND FRASWERKZEUGFABRIKEN GMBH & CO. KG, DE
[85] 2018-01-09
[86] 2016-06-29 (PCT/EP2016/065107)
[87] (WO2017/005569)
[30] EP (15176163.2) 2015-07-09

[21] **2,992,060**
[13] A1
[51] **Int.Cl. G02B 27/22 (2018.01) B42D 25/29 (2014.01) B42D 25/324 (2014.01) F21V 7/00 (2006.01) G02B 5/18 (2006.01) G02B 6/13 (2006.01) G02B 6/42 (2006.01)**
[25] EN
[54] **OPTICAL PRODUCTS, MASTERS FOR FABRICATING OPTICAL PRODUCTS, AND METHODS FOR MANUFACTURING MASTERS AND OPTICAL PRODUCTS**
[54] **PRODUITS OPTIQUES, GABARITS POUR LA FABRICATION DE PRODUITS OPTIQUES, ET PROCEDES DE FABRICATION DE GABARITS ET DE PRODUITS OPTIQUES**
[72] RICH, CHRISTOPHER CHAPMAN, US
[72] TAMKIN, JOHN MICHAEL, US
[72] PETERSEN, JOEL MIKAEL, US
[72] PHILLIPS, ROGER WINSTON, US
[72] HARVEY, PHILLIP CHRISTOPHER, US
[71] WAVEFRONT TECHNOLOGY, INC., US
[85] 2018-01-09
[86] 2016-07-12 (PCT/US2016/041935)
[87] (WO2017/011476)
[30] US (62/192,052) 2015-07-13
[30] US (62/326,706) 2016-04-22
[30] US (62/326,707) 2016-04-22
[30] US (62/328,606) 2016-04-27
[30] US (62/329,192) 2016-04-28

[21] **2,992,066**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) G06Q 30/00 (2012.01) G06Q 40/00 (2012.01)**
[25] EN
[54] **GENOMIC TECHNOLOGIES FOR AGRICULTURE PRODUCTION AND PERFORMANCE MANAGEMENT**
[54] **TECHNOLOGIES GENOMIQUES POUR LA GESTION DE LA *PRODUCTION ET DES* PERFORMANCES EN AGRICULTURE**
[72] AKADIRI, SEAN, US
[71] AGRIC-BIOFORMATICS, LLC, US
[85] 2018-01-09
[86] 2016-07-15 (PCT/US2016/042515)
[87] (WO2017/011755)
[30] US (62/192,598) 2015-07-15

[21] **2,992,075**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR COGNITION-DEPENDENT ACCESS CONTROL**
[54] **SYSTEME ET PROCEDE DE CONTROLE D'ACCES DEPENDANT DE LA COGNITION**
[72] KUKAWKA, ANDRES, IL
[72] HASSAN, ISAAC SAMUEL, IL
[71] OTORIZE LTD., IL
[85] 2018-01-10
[86] 2016-07-14 (PCT/IL2016/050758)
[87] (WO2017/009836)
[30] US (62/192,587) 2015-07-15

[21] **2,992,080**
[13] A1
[51] **Int.Cl. G08G 1/16 (2006.01) H04N 5/225 (2006.01)**
[25] EN
[54] **TRAFFIC LIGHT RECOGNITION DEVICE AND TRAFFIC LIGHT RECOGNITION METHOD**
[54] **DISPOSITIF DE RECONNAISSANCE DE FEU DE CIRCULATION ET PROCEDE DE *RECONNAISSANCE DE FEU DE* CIRCULATION**
[72] YAMANOI, DAIKI, JP
[72] MATSUO, HARUO, JP
[72] OKI, TAKAHIKO, JP
[72] SUZUKI, AKIRA, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-01-10
[86] 2015-07-13 (PCT/JP2015/070041)
[87] (WO2017/009933)

[21] **2,992,081**
[13] A1
[51] **Int.Cl. A61M 1/00 (2006.01)**
[25] EN
[54] **SURGICAL SUCTION DEVICE THAT USES POSITIVE PRESSURE GAS**
[54] **DISPOSITIF D'ASPIRATION CHIRURGICAL UTILISANT UN GAZ A PRESSION POSITIVE**
[72] MINSKOFF, NOAH MARK, US
[72] JACKSON, JAMES, CA
[71] INTEGRATED SURGICAL LLC, US
[85] 2018-01-10
[86] 2015-10-19 (PCT/US2015/056276)
[87] (WO2017/011024)
[30] US (62/191,689) 2015-07-13

[21] **2,992,083**
[13] A1
[51] **Int.Cl. B29C 43/36 (2006.01) B29C 43/52 (2006.01)**
[25] EN
[54] **FIBER REINFORCED COMPOSITE MEMBER MOLDING APPARATUS**
[54] **DISPOSITIF DE FORMAGE D'UN ELEMENT COMPOSITE RENFORCE PAR DES FIBRES**
[72] MURAKAMI, TSUTOMU, JP
[72] KOBIKI, AKIRA, JP
[72] ISHIZAKI, MASATO, JP
[71] IHI CORPORATION, JP
[85] 2018-01-10
[86] 2015-10-09 (PCT/JP2015/078811)
[87] (WO2017/061047)

[21] **2,992,084**
[13] A1
[51] **Int.Cl. A01H 5/00 (2018.01) A01N 63/02 (2006.01) C07K 14/195 (2006.01) C12N 15/31 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **NOVEL INSECT INHIBITORY PROTEINS**
[54] **NOUVELLES PROTEINES INSECTICIDES**
[72] BOWEN, DAVID J., US
[72] CHAY, CATHERINE A., US
[72] FLASINSKI, STANISLAW, US
[72] YIN, YONG, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2018-01-09
[86] 2016-07-27 (PCT/US2016/044296)
[87] (WO2017/019787)
[30] US (62/199,024) 2015-07-30

[21] **2,992,086**
[13] A1
[51] **Int.Cl. A61L 27/38 (2006.01) A61L 27/36 (2006.01) A61L 27/54 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR ENDOMETRIAL TREATMENT**
[54] **METHODES ET SYSTEMES DE TRAITEMENT DE L'ENDOMETRIOSE**
[72] BEIM, PIRAYE YURTTAS, US
[71] CELMATIX INC., US
[85] 2018-01-10
[86] 2016-07-13 (PCT/US2016/042070)
[87] (WO2017/015023)
[30] US (62/193,903) 2015-07-17

[21] **2,992,090**
[13] A1
[51] **Int.Cl. A61M 1/00 (2006.01)**
[25] EN
[54] **SURGICAL SUCTION DEVICE THAT USES POSITIVE PRESSURE GAS**
[54] **DISPOSITIF D'ASPIRATION CHIRURGICAL UTILISANT UN GAZ A PRESSION POSITIVE**
[72] MINSKOFF, NOAH MARK, US
[72] JACKSON, JAMES, CA
[72] LEEFLANG, ELISABETH JACQUES, US
[72] PHILIPPSEN, AARON OLAFUR LAURENCE, CA
[71] INTEGRATED SURGICAL LLC, US
[85] 2018-01-10
[86] 2017-04-06 (PCT/US2017/026459)
[87] (WO2017/177069)
[30] US (62/319,189) 2016-04-06
[30] US (15/480,365) 2017-04-05

[21] **2,992,092**
[13] A1
[51] **Int.Cl. B22F 1/00 (2006.01) C22C 38/00 (2006.01) C22C 38/16 (2006.01)**
[25] EN
[54] **MIXED POWDER FOR POWDER METALLURGY, SINTERED BODY, AND METHOD OF MANUFACTURING SINTERED BODY**
[54] **MELANGE DE POUDRES POUR METALLURGIE DES POUDRES, ET CORPS FRITTE AINSI QUE PROCEDE DE FABRICATION DE CELUI-CI**
[72] TAKASHITA, TAKUYA, JP
[72] KOBAYASHI, AKIO, JP
[72] NAKAMURA, NAOMICHI, JP
[72] SATO, ITSUYA, JP
[71] JFE STEEL CORPORATION, JP
[85] 2018-01-10
[86] 2016-09-16 (PCT/JP2016/004258)
[87] (WO2017/047100)
[30] JP (2015-185636) 2015-09-18

[21] **2,992,093**
[13] A1
[51] **Int.Cl. E21B 43/10 (2006.01) E21B 29/10 (2006.01)**
[25] EN
[54] **EXPANDABLE LINER**
[54] **REVETEMENT EXTENSIBLE**
[72] DELANGE, RICHARD W., US
[72] SETTERBERG, JOHN RICHARD, JR., US
[72] OSBURN, SCOTT H., US
[72] CAPEHART, MICHAEL B., US
[72] GAO, FENG, US
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2018-01-10
[86] 2016-07-13 (PCT/US2016/042113)
[87] (WO2017/011567)
[30] US (62/191,947) 2015-07-13

[21] **2,992,094**
[13] A1
[51] **Int.Cl. A44B 19/26 (2006.01) A44B 19/28 (2006.01) A44B 19/30 (2006.01)**
[25] EN
[54] **INTERLOCKING ZIPPER PULL TABS AND FASTENING SYSTEM**
[54] **LANGUETTES DE PREHENSION DE FERMETURE A GLISSIERE A VERROUILLAGE ET SYSTEME DE FIXATION**
[72] COWDERY, HENRY J., US
[72] GODSHAW, DONALD E., US
[72] HAI, DU, US
[71] TRAVEL CADDY, INC., US
[85] 2018-01-10
[86] 2016-07-18 (PCT/US2016/042794)
[87] (WO2017/015209)
[30] US (62/194,929) 2015-07-21

[21] **2,992,095**
[13] A1
[51] **Int.Cl. E05C 19/06 (2006.01) B64D 29/06 (2006.01) E05B 51/02 (2006.01) E05B 63/00 (2006.01) E05C 3/24 (2006.01) E05C 19/02 (2006.01) E05C 19/12 (2006.01)**
[25] EN
[54] **ADJUSTABLE PRESSURE RELIEF LATCH**
[54] **VERROU DE DETENTE AJUSTABLE**
[72] DO, THAI, US
[71] ARCONIC INC., US
[85] 2018-01-10
[86] 2016-08-24 (PCT/US2016/048274)
[87] (WO2017/035178)
[30] US (62/210,135) 2015-08-26

[21] **2,992,098**
[13] A1
[51] **Int.Cl. B26D 3/16 (2006.01) B21C 37/12 (2006.01) B23K 10/00 (2006.01) B26D 1/60 (2006.01)**
[25] EN
[54] **PIPE CUTTING SYSTEM**
[54] **SYSTEME COUPE-TUYAUX**
[72] BYARD, GRAHAM ANTHONY, AU
[72] MOONEY, JUSTIN LANCE, AU
[71] ROUNDEL CIVIL PRODUCTS PTY LTD, AU
[85] 2018-01-11
[86] 2016-07-13 (PCT/AU2016/050609)
[87] (WO2017/008113)
[30] AU (2015902767) 2015-07-13

[21] **2,992,100**
[13] A1
[51] **Int.Cl. A61B 6/00 (2006.01) A61B 5/00 (2006.01) A61B 6/06 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR DIAGNOSIS OF BREAST DISEASE**
[54] **PROCEDE ET DISPOSITIF DE DIAGNOSTIC D'UNE MALADIE DU SEIN**
[72] KWON, SOON MU, KR
[72] KANG, YEONG HAN, KR
[72] CHON, KWON SU, KR
[71] INDUSTRIAL EDUCATION COOPERATION ORGANIZATION, DAEGU HEALTH COLLEGE, KR
[85] 2018-01-10
[86] 2016-01-15 (PCT/KR2016/000418)
[87] (WO2017/082471)
[30] KR (10-2015-0159126) 2015-11-12

[21] **2,992,101**
[13] A1
[51] **Int.Cl. H02S 40/22 (2014.01)**
[25] EN
[54] **OPTICAL LIGHT-TRANSMISSION ELEMENT FOR A SOLAR ENERGY ASSEMBLY COMPRISING A HARVESTING PORTION AND AN ALIGNMENT CONTROL PORTION, AND METHOD FOR ALIGNMENT OF SUCH**
[54] **ELEMENT DE TRANSMISSION DE LUMIERE OPTIQUE POUR ENSEMBLE A ENERGIE SOLAIRE COMPRENANT UNE PARTIE DE COLLECTE ET UNE PARTIE DE COMMANDE D'ALIGNEMENT, ET SON PROCEDE D'ALIGNEMENT**
[72] WANKA, SVEN, DE
[72] NEUBAUER, MARTIN, DE
[71] SAINT-AUGUSTIN CANADA ELECTRIC INC. (STACE), CA
[85] 2018-01-11
[86] 2016-07-11 (PCT/CA2016/050807)
[87] (WO2017/008151)
[30] DE (102015213305.2) 2015-07-15

[21] **2,992,103**
[13] A1
[51] **Int.Cl. B64C 39/02 (2006.01) B60L 11/18 (2006.01) B64C 25/52 (2006.01) G08G 5/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR RECHARGING REMOTELY CONTROLLED AERIAL VEHICLE, CHARGING STATION AND RECHARGEABLE REMOTELY CONTROLLED AERIAL VEHICLE, AND METHOD OF USE THEREOF**
[54] **SYSTEME DE RECHARGE DE VEHICULE AERIEN TELECOMMANDE, STATION DE CHARGE ET VEHICULE AERIEN TELECOMMANDE RECHARGEABLE, ET LEUR PROCEDE D'UTILISATION**
[72] RANIERE, KEITH A., US
[71] FIRST PRINCIPLES, INC., US
[85] 2018-01-10
[86] 2016-05-25 (PCT/US2016/034031)
[87] (WO2016/191457)
[30] US (14/722,623) 2015-05-27

[21] **2,992,104**
[13] A1
[51] **Int.Cl. H02K 1/00 (2006.01) H02K 11/00 (2016.01) H02K 17/00 (2006.01) H02K 19/00 (2006.01)**
[25] EN
[54] **ROTATING ELECTROMAGNETIC DEVICES**
[54] **DISPOSITIFS ELECTROMAGNETIQUES TOURNANTS**
[72] SERCOMBE, DAVID, SG
[72] GUINA, ANTE, SG
[72] FUGER, RENE, SG
[72] KELLS, JOHN ALAN, SG
[72] MATSEKH, ARKADIY, SG
[71] HERON ENERGY PTE. LTD, SG
[85] 2018-01-11
[86] 2016-07-13 (PCT/AU2016/050610)
[87] (WO2017/008114)
[30] AU (2015902759) 2015-07-13
[30] AU (2015903808) 2015-09-18
[30] AU (2015904119) 2015-10-09
[30] AU (2015904164) 2015-10-13

[21] **2,992,105**
[13] A1
[51] **Int.Cl. B81B 3/00 (2006.01) B81B 7/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MICRO-CANTILEVER ACTUATION BY BASE EXCITATION**
[54] **SYSTEMES ET PROCEDES POUR ACTIONNEMENT DE MICRO-LEVIER PAR EXCITATION DE BASE**
[72] MENON, CARLO, CA
[72] KOMEILI, MOJTABA, CA
[71] INTREPID VISIONS INC., CA
[85] 2018-01-11
[86] 2016-07-13 (PCT/CA2016/050828)
[87] (WO2017/008164)
[30] US (62/191,593) 2015-07-13
[30] US (62/259,162) 2015-11-24

[21] **2,992,106**
[13] A1
[51] **Int.Cl. G09B 9/04 (2006.01)**
[25] EN
[54] **SIMULATION DEVICE**
[54] **DISPOSITIF DE SIMULATION**
[72] ENRIQUE, MAR, US
[71] ADVANCED TRAINING SYSTEMS, LLC, US
[85] 2018-01-10
[86] 2016-07-01 (PCT/US2016/040703)
[87] (WO2017/004520)
[30] US (14/790,460) 2015-07-02

[21] **2,992,109**
[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) A61K 8/00 (2006.01) A61K 9/06 (2006.01) A61K 9/12 (2006.01) A61P 17/00 (2006.01)**
[25] EN
[54] **MAP PRODUCT AND USE THEREOF FOR INHIBITING SKIN INFLAMMATION**
[54] **PRODUIT A BASE DE PROTEINE DE MOULE A ACTION ADHESIVE ET SON APPLICATION POUR INHIBER LA DERMATOMYOSITE**
[72] GAO, MIN, CN
[72] SAMUELSSON, INGEMAR BENGT, SE
[71] BENGT I. SAMUELSSON INSTITUTE OF LIFE SCIENCE RESEARCH, CN
[85] 2018-01-11
[86] 2015-07-20 (PCT/CN2015/084492)
[87] (WO2017/011982)

[21] **2,992,111**
[13] A1
[51] **Int.Cl. B65D 39/00 (2006.01)**
[25] EN
[54] **COVER CAP WITH FITTED GASKET DESIGNED FOR SEALING A METALLIC BOTTLE**
[54] **BOUCHON-CAPSULE AVEC JOINT CONCU POUR FERMER UNE BOUTEILLE METALLIQUE**
[72] ROBLES GONZALEZ, GILBERTO, MX
[72] SEGURA RUIZ, ROMUALDO, MX
[72] RODRIGUEZ BALBUENA, ERIC GERARDO, MX
[72] MELENDEZ RIVERA, ANA KAREN, MX
[71] FABRICAS MONTERREY, S.A. DE C.V., MX
[85] 2018-01-10
[86] 2016-06-30 (PCT/MX2016/000067)
[87] (WO2017/007297)
[30] MX (MX/a/2015/008677) 2015-07-03

[21] **2,992,112**
[13] A1
[51] **Int.Cl. H04W 88/08 (2009.01)**
[25] EN
[54] **PROTOCOL CONVERSION METHOD AND APPARATUS**
[54] **PROCEDE ET DISPOSITIF SERVANT A UNE CONVERSION DE PROTOCOLE**
[72] BAO, SHENGHUA, CN
[72] LIAN, XUEGUO, CN
[72] QU, TAO, CN
[72] WANG, XING, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2018-01-11
[86] 2015-12-17 (PCT/CN2015/097747)
[87] (WO2017/101084)

[21] **2,992,113**
[13] A1
[51] **Int.Cl. A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 3/04 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR SELECTIVE REGULATION OF PROTEIN EXPRESSION**
[54] **PROCEDES ET COMPOSITIONS POUR LA REGULATION SELECTIVE DE L'EXPRESSION PROTEIQUE**
[72] HUANG, JINTAI, US
[72] QI, YOULIN, US
[72] YANG, HEPING, US
[72] ZHANG, YUANJI, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2018-01-10
[86] 2016-07-14 (PCT/US2016/042217)
[87] (WO2017/015043)
[30] US (62/195,546) 2015-07-22

[21] **2,992,115**
[13] A1
[51] **Int.Cl. A24F 47/00 (2006.01) A24B 15/16 (2006.01)**
[25] EN
[54] **MULTI-SEGMENT COMPONENT FOR AN AEROSOL-GENERATING ARTICLE**
[54] **ELEMENT A SEGMENTS MULTIPLES POUR ARTICLE DE GENERATION D'AEROSOL**
[72] MALGAT, ALEXANDRE, CH
[72] BATISTA, RUI NUNO, CH
[72] CATTONI, MICHELE ANDREA, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-01-09
[86] 2016-09-08 (PCT/EP2016/071235)
[87] (WO2017/042298)
[30] EP (15184964.3) 2015-09-11

[21] **2,992,116**
[13] A1
[51] **Int.Cl. A61K 38/16 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **ANTI-CD154 ANTIBODY HAVING IMPROVED BINDING, FUNCTIONAL AND SAFETY CHARACTERISTICS AND USE IN HUMAN IMMUNOTHERAPY**
[54] **ANTICORPS ANTI-CD154 OFFRANT DES CARACTERISTIQUES DE LIAISON, FONCTIONNALITE ET SECURITE AMELIOREES ET SON UTILISATION DANS L'IMMUNOTHERAPIE HUMAINE**
[72] ROTHSTEIN, JAY, US
[72] HOLGATE, ROBERT GEORGE EDWARD, GB
[72] HEARN, ARRON, GB
[71] IMMUNEXT, INC., US
[85] 2018-01-10
[86] 2016-07-13 (PCT/US2016/042074)
[87] (WO2017/011544)
[30] US (62/192,269) 2015-07-14
[30] US (62/197,966) 2015-07-28
[30] US (62/277,201) 2016-01-11

[21] **2,992,117**
[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ACCURATE MARKETING BASED ON SHARING OF DATA, GIFTS AND LOGISTICS**
[54] **SYSTEME ET PROCEDE DE MARKETING PRECIS BASES SUR LE PARTAGE DE DONNEES, DE CADEAUX ET DE LOGISTIQUE**
[72] PAN, XIANCAI, CA
[72] YE, FENG, CA
[71] FREELIFE SOLUTIONS LTD., CA
[85] 2018-01-09
[86] 2016-07-11 (PCT/IB2016/001403)
[87] (WO2017/009720)
[30] US (62/191,333) 2015-07-11

[21] 2,992,118
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR AUTOMATICALLY GENERATING ADVERTISEMENTS**
[54] **PROCEDES ET SYSTEMES DE GENERATION AUTOMATIQUE DE PUBLICITES**
[72] XIE, TONGLING, CN
[72] WU, HAIYANG, CN
[72] LI, SHAOHUI, CN
[72] CHEN, WINDER, CN
[71] GUANGZHOU KUAIZI INFORMATION TECHNOLOGY CO., LTD., CN
[85] 2018-01-11
[86] 2017-06-15 (PCT/CN2017/088473)
[87] (WO2017/219911)
[30] CN (201610482221.6) 2016-06-23
[30] CN (201610482162.2) 2016-06-23
[30] CN (201610485383.5) 2016-06-23
[30] CN (201610482164.1) 2016-06-23

[21] 2,992,120
[13] A1
[51] **Int.Cl. G01S 7/285 (2006.01) G01S 7/02 (2006.01) G01S 7/03 (2006.01) G01S 7/28 (2006.01) H01Q 3/26 (2006.01) H01Q 21/28 (2006.01)**
[25] EN
[54] **TRANSMISSION MODULE, ARRAY ANTENNA DEVICE INCLUDING TRANSMISSION MODULE, AND TRANSMISSION DEVICE INCLUDNG TRANSMISSION MODULE**
[54] **MODULE DE TRANSMISSION, DISPOSITIF D'ANTENNE RESEAU DOTE DE CELUI-CI, ET DISPOSITIF DE TRANSMISSION**
[72] NONOMURA, HIROYUKI, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2018-01-09
[86] 2016-01-28 (PCT/JP2016/052486)
[87] (WO2017/010111)
[30] JP (2015-140313) 2015-07-14

[21] 2,992,121
[13] A1
[51] **Int.Cl. A61B 17/22 (2006.01)**
[25] EN
[54] **ULTRASONIC WOUND TREATMENT APPARATUS AND ASSOCIATED METHOD**
[54] **APPAREIL DE TRAITEMENT DE PLAIE ULTRASONORE ET PROCEDE ASSOCIE**
[72] VOIC, DAN, US
[71] MISONIX, INCORPORATED, US
[85] 2018-01-10
[86] 2016-07-07 (PCT/US2016/041310)
[87] (WO2017/011263)
[30] US (14/797,660) 2015-07-13

[21] 2,992,122
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) C12N 5/0783 (2010.01) A61P 35/00 (2006.01) C07K 14/725 (2006.01) C07K 16/28 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING PERITONEAL CANCERS**
[54] **COMPOSITIONS ET PROCEDES PERMETTANT DE TRAITER DES CANCERS PERITONEAUX**
[72] KATZ, STEVEN C., US
[72] JUNGHANS, RICHARD, US
[71] PROSPECT CHARTERCARE RWMC, LLC D/B/A ROGER WILLIAMS MEDICAL CENTER, US
[85] 2018-01-10
[86] 2016-07-14 (PCT/US2016/042302)
[87] (WO2017/011670)
[30] US (62/193,217) 2015-07-16
[30] US (62/298,980) 2016-02-23

[21] 2,992,124
[13] A1
[51] **Int.Cl. A01C 7/00 (2006.01) A01C 7/04 (2006.01) A01C 7/16 (2006.01) A01C 7/18 (2006.01) A01C 7/20 (2006.01)**
[25] EN
[54] **SEED DELIVERY APPARATUS, SYSTEMS, AND METHODS**
[54] **APPAREIL, SYSTEMES ET PROCEDES DE DISTRIBUTION DE SEMENCES**
[72] RADTKE, IAN, US
[72] SWANSON, TODD, US
[71] PRECISION PLANTING LLC, US
[85] 2018-01-10
[86] 2016-07-14 (PCT/US2016/042309)
[87] (WO2017/011675)
[30] US (62/192,309) 2015-07-14

[21] 2,992,126
[13] A1
[51] **Int.Cl. F03B 3/12 (2006.01) F01D 5/14 (2006.01) F03B 17/06 (2006.01) F03D 3/06 (2006.01)**
[25] EN
[54] **HYDROKINETIC TURBINE WITH CONFIGURABLE BLADES FOR BI-DIRECTIONAL ROTATION**
[54] **TURBINE HYDROCINETIQUE COMPORTANT DES AUBES CONFIGURABLES POUR UNE ROTATION BI-DIRECTIONNELLE**
[72] LYES, PETER, GB
[72] COCKSEDGE, DAVID, GB
[71] INSTREAM ENERGY SYSTEMS CORP., CA
[85] 2018-01-11
[86] 2014-08-11 (PCT/CA2014/050763)
[87] (WO2016/004506)
[30] US (62/023,731) 2014-07-11

[21] **2,992,129**
[13] A1
[51] **Int.Cl. A01N 43/08 (2006.01) A01N 43/16 (2006.01) A01N 45/00 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **MULTI-EAR SYSTEM TO ENHANCE MONOCOT PLANT YIELD**
[54] **SYSTEME MULTI-EPI POUR AMELIORER LE RENDEMENT DES PLANTES MONOCOTYLEDONES**
[72] OVADYA, DANIEL, US
[72] SAVIDGE, BETH, US
[72] SMITH, KYLE, US
[72] VAL, DALE, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2018-01-10
[86] 2016-07-15 (PCT/US2016/042608)
[87] (WO2017/011791)
[30] US (62/193,389) 2015-07-16

[21] **2,992,131**
[13] A1
[51] **Int.Cl. A01G 27/00 (2006.01) A01G 9/02 (2018.01)**
[25] EN
[54] **IRRIGATION APPARATUS AND FEEDING SYSTEM**
[54] **APPAREIL D'IRRIGATION ET SYSTEME D'ALIMENTATION**
[72] MARSHALL, AARON, US
[71] 4D HOLDINGS, LLC, US
[85] 2018-01-10
[86] 2016-07-18 (PCT/US2016/042747)
[87] (WO2017/015194)
[30] US (62/195,128) 2015-07-21

[21] **2,992,138**
[13] A1
[51] **Int.Cl. B21D 26/033 (2011.01) C21D 8/10 (2006.01)**
[25] EN
[54] **ULTRA HIGH STRENGTH BODY AND CHASSIS COMPONENTS**
[54] **CARROSSERIE A RESISTANCE ULTRA ELEVEE ET COMPOSANTS DE CHASSIS**
[72] SINGH, JASWINDER PAL, US
[71] MAGNA INTERNATIONAL INC., CA
[85] 2018-01-10
[86] 2016-07-19 (PCT/US2016/042957)
[87] (WO2017/015280)
[30] US (62/194,429) 2015-07-20

[21] **2,992,139**
[13] A1
[51] **Int.Cl. C40B 30/04 (2006.01) C12Q 1/68 (2018.01) G01N 33/50 (2006.01)**
[25] EN
[54] **MARKERS OF STROKE AND STROKE SEVERITY**
[54] **MARQUEURS D'ACCIDENT VASCULAIRE CEREBRAL ET DE GRAVITE D'ACCIDENT VASCULAIRE CEREBRAL**
[72] BARR, TAURA L., US
[72] GIERSCH, RICHARD, US
[72] O'CONNELL, GRANT, US
[71] WEST VIRGINIA UNIVERSITY, US
[85] 2018-01-10
[86] 2016-07-08 (PCT/US2016/041585)
[87] (WO2017/011329)
[30] US (62/191,096) 2015-07-10
[30] US (62/300,342) 2016-02-26
[30] US (62/352,680) 2016-06-21

[21] **2,992,140**
[13] A1
[51] **Int.Cl. A61F 13/15 (2006.01) A61F 13/49 (2006.01) A61F 13/511 (2006.01) A61F 13/514 (2006.01) B32B 5/18 (2006.01) B32B 7/12 (2006.01) B32B 27/20 (2006.01)**
[25] EN
[54] **MICROPOROUS BREATHABLE FILM AND METHOD OF MAKING THE MICROPOROUS BREATHABLE FILM**
[54] **FILM MICROPOREUX PERMEABLE A L'AIR ET PROCEDE DE FABRICATION DUDIT FILM MICROPOREUX PERMEABLE A L'AIR**
[72] MIDDLESWORTH, JEFFREY ALAN, US
[72] KITZMILLER, BROOKE D., US
[72] SONNENTAG, BRADLEY, US
[71] BERRY PLASTICS CORPORATION, US
[85] 2018-01-10
[86] 2016-07-08 (PCT/US2016/041617)
[87] (WO2017/011341)
[30] US (62/191,010) 2015-07-10
[30] US (62/233,128) 2015-09-25

[21] **2,992,142**
[13] A1
[51] **Int.Cl. H04W 24/02 (2009.01) H04W 36/08 (2009.01) H04W 92/20 (2009.01)**
[25] EN
[54] **ENHANCED X2 PROTOCOL**
[54] **PROTOCOLE X2 AMELIORE**
[72] AGARWAL, KAITKI, US
[72] CAO, YANG, US
[72] ARORA, JITENDER, US
[72] SAJI, MICHAEL, US
[72] LUBENSKI, ZEEV, US
[71] PARALLEL WIRELESS, INC., US
[85] 2018-01-10
[86] 2016-07-11 (PCT/US2016/041824)
[87] (WO2017/011422)
[30] US (62/191,029) 2015-07-10

[21] **2,992,143**
[13] A1
[51] **Int.Cl. B64D 27/04 (2006.01) B64D 27/00 (2006.01) B64D 27/02 (2006.01) F16F 15/00 (2006.01) F16F 15/10 (2006.01) F16F 15/20 (2006.01)**
[25] EN
[54] **INTERNAL COMBUSTION PISTON ENGINE FOR AVIATION**
[54] **MOTEUR A PISTON A COMBUSTION INTERNE POUR L'AVIATION**
[72] NARDELLA, FRANCIS A., US
[71] NARDELLA, FRANCIS A., US
[85] 2018-01-10
[86] 2016-07-22 (PCT/US2016/043535)
[87] (WO2017/015551)
[30] US (62/195,611) 2015-07-22

[21] **2,992,145**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 19/02 (2006.01) C07K 16/40 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR THE TREATMENT OF IMMUNOMODULATORY DISEASES AND DISORDERS**
[54] **PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT DE MALADIES ET DE TROUBLES IMMUNOMODULATEURS**
[72] LAURY-KLEINTOP, LISA, US
[72] MANDIK-NAYAK, LAURA, US
[72] MERLO, LAUREN M. F., US
[72] DUHADAWAY, JAMES B., US
[72] PRENDERGAST, GEORGE C., US
[71] LANKENAU INSTITUTE FOR MEDICAL RESEARCH, US
[85] 2018-01-10
[86] 2016-07-27 (PCT/US2016/044230)
[87] (WO2017/019756)
[30] US (62/197,900) 2015-07-28

[21] **2,992,155**
[13] A1
[51] **Int.Cl. C10M 163/00 (2006.01) C10M 133/44 (2006.01) C10M 135/12 (2006.01) C10M 137/10 (2006.01) C10M 159/18 (2006.01)**
[25] EN
[54] **ADDITIVE FOR LUBRICANT COMPOSITIONS COMPRISING A SULFUR-CONTAINING AND A SULFUR-FREE ORGANOMOLYBDENUM COMPOUND, AND A TRIAZOLE**
[54] **ADDITIF POUR COMPOSITIONS LUBRIFIANTES COMPRENANT DES COMPOSES ORGANOMOLYBDENE AVEC ET SANS SOUFRE ET UN TRIAZOLE**
[72] PATEL, MIHIR, US
[72] GATTO, VINCENT J., US
[71] VANDERBILT CHEMICALS, LLC, US
[85] 2018-01-10
[86] 2016-08-02 (PCT/US2016/045137)
[87] (WO2017/030782)
[30] US (62/205,240) 2015-08-14
[30] US (62/205,250) 2015-08-14

[21] **2,992,164**
[13] A1
[51] **Int.Cl. A61M 1/00 (2006.01)**
[25] EN
[54] **SURGICAL SUCTION DEVICE THAT USES POSITIVE PRESSURE GAS**
[54] **DISPOSITIF D'ASPIRATION CHIRURGICAL UTILISANT UN GAZ A PRESSION POSITIVE**
[72] MINSKOFF, NOAH MARK, US
[72] JACKSON, JAMES, CA
[72] LEEFLANG, ELISABETH JACQUES, US
[72] PHILIPPSEN, AARON OLAFUR LAURENCE, CA
[71] INTEGRATED SURGICAL LLC, US
[85] 2018-01-10
[86] 2017-04-06 (PCT/US2017/026458)
[87] (WO2017/177068)
[30] US (62/319,195) 2016-04-06
[30] US (15/480,356) 2017-04-05

[21] **2,992,168**
[13] A1
[51] **Int.Cl. A41D 11/00 (2006.01) A41D 13/00 (2006.01) B60R 22/14 (2006.01)**
[25] EN
[54] **A CHILD'S GARMENT**
[54] **VETEMENT POUR ENFANT**
[72] BYRNE, TARA, GB
[71] BYRNE, TARA, GB
[85] 2018-01-11
[86] 2016-07-08 (PCT/GB2016/052064)
[87] (WO2017/009611)
[30] GB (1512340.9) 2015-07-15

[21] **2,992,223**
[13] A1
[51] **Int.Cl. B25H 1/06 (2006.01) B25H 1/16 (2006.01)**
[25] EN
[54] **ADJUSTABLE SAWHORSE**
[54] **CHEVALET DE SCIAGE REGLABLE**
[72] BRUNNER, YARON, IL
[71] KETER PLASTIC LTD., IL
[85] 2018-01-11
[86] 2016-07-14 (PCT/IL2016/050766)
[87] (WO2017/009844)
[30] US (62/192,842) 2015-07-15

[21] **2,992,232**
[13] A1
[51] **Int.Cl. H01M 8/0202 (2016.01) H01M 8/0271 (2016.01) H01M 8/10 (2016.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING FUEL CELL SEPARATOR**
[54] **PROCEDE DE FABRICATION D'UN SEPARATEUR DE PILE A COMBUSTIBLE**
[72] TANNO, FUMIO, JP
[71] NISSHINBO CHEMICAL INC., JP
[85] 2018-01-11
[86] 2016-06-24 (PCT/JP2016/068784)
[87] (WO2017/013994)
[30] JP (2015-144654) 2015-07-22

[21] **2,992,238**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/4245 (2006.01) A61K 31/498 (2006.01) A61K 45/00 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **A THERAPEUTIC AGENT FOR A TUMOR COMPRISING AN IDO INHIBITOR ADMINISTERED IN COMBINATION WITH AN ANTIBODY**
[54] **AGENT THERAPEUTIQUE POUR TUMEUR COMPRENANT UN INHIBITEUR DE L'IDO ADMINISTRE EN ASSOCIATION AVEC UN ANTICORPS**
[72] TOKUNAGA, AKIHIRO, JP
[72] ISHII, TOSHIHIKO, JP
[72] MIE, MOTOYA, JP
[72] ANDO, MUNETOSHI, JP
[71] KYOWA HAKKO KIRIN CO., LTD., JP
[85] 2018-01-11
[86] 2016-07-14 (PCT/JP2016/003337)
[87] (WO2017/010106)
[30] US (62/192,173) 2015-07-14

[21] **2,992,253**
[13] A1
[51] **Int.Cl. B01D 39/00 (2006.01) B01D 39/16 (2006.01) C08J 9/36 (2006.01) D21H 15/02 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING FILTER MEDIUM FOR AIR FILTER**
[54] **PROCEDE DE FABRICATION DE SUPPORT FILTRANT POUR FILTRE A AIR**
[72] NEMOTO, JUNJI, JP
[72] ISOGAI, AKIRA, JP
[72] SAITO, TSUGUYUKI, JP
[71] HOKUETSU KISHU PAPER CO., LTD., JP
[71] THE UNIVERSITY OF TOKYO, JP
[85] 2018-01-11
[86] 2015-08-03 (PCT/JP2015/071950)
[87] (WO2017/022052)

[21] **2,992,254**
[13] A1
[51] **Int.Cl. C09D 201/00 (2006.01) C09C 1/24 (2006.01) C09C 3/06 (2006.01) C01G 49/06 (2006.01)**
[25] EN
[54] **COMPOSITION FOR LAMINATED COATING FILM COMPRISING IRON OXIDE PARTICLES COATED WITH SILICON OXIDE**
[54] **COMPOSITION POUR FILM DE REVETEMENT MULTICOUCHE CONTENANT DES PARTICULES D'OXYDE DE FER REVETUES D'OXYDE DE SILICIUM**
[72] ENOMURA, MASAKAZU, JP
[72] HONDA, DAISUKE, JP
[71] M. TECHNIQUE CO., LTD., JP
[85] 2018-01-11
[86] 2016-10-05 (PCT/JP2016/079709)
[87] (WO2017/061519)
[30] JP (2015-197556) 2015-10-05
[30] JP (2016-111346) 2016-06-02
[30] JP (PCT/JP2016/066542) 2016-06-03
[30] JP (2016-123800) 2016-06-22

[21] **2,992,256**
[13] A1
[51] **Int.Cl. C09D 201/00 (2006.01) C09C 1/04 (2006.01) C09C 1/24 (2006.01) C09C 3/06 (2006.01) C09C 3/08 (2006.01) C01G 9/02 (2006.01) C01G 49/06 (2006.01)**
[25] EN
[54] **SILICON OXIDE-COATED OXIDE COMPOSITION FOR COATINGS IN WHICH WEATHER RESISTANCE IS REQUIRED, AND METHOD OF PRODUCING COMPOSITION FOR COATING**
[54] **COMPOSITION D'OXYDE REVETU D'OXYDE DE SILICIUM POUR DES REVETEMENTS DANS LESQUELS UNE RESISTANCE AUX INTEMPERIES EST NECESSAIRE ET PROCEDE DE PRODUCTION DE COMPOSITION DE REVETEMENT**
[72] ENOMURA, MASAKAZU, JP
[72] HONDA, DAISUKE, JP
[71] M. TECHNIQUE CO., LTD., JP
[85] 2018-01-11
[86] 2016-10-05 (PCT/JP2016/079710)
[87] (WO2017/061520)
[30] JP (2015-197556) 2015-10-05
[30] JP (2016-111346) 2016-06-02
[30] JP (PCT/JP2016/066542) 2016-06-03
[30] JP (2016-123800) 2016-06-22

[21] **2,992,258**
[13] A1
[51] **Int.Cl. A61K 47/36 (2006.01) A61K 8/86 (2006.01) A61K 38/22 (2006.01) A61K 38/28 (2006.01) A61P 3/10 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **DRUG SUSTAINED-RELEASE CARRIER AND METHOD FOR PRODUCING SAME**
[54] **SUPPORT A LIBERATION PROLONGEE DE MEDICAMENT ET SON PROCEDE DE PRODUCTION**
[72] QUAN, YING-SHU, JP
[72] OOYA, TOORU, JP
[72] JIANG, RONGRONG, JP
[72] KAMIYAMA, FUMIO, JP
[71] COSMED PHARMACEUTICAL CO., LTD., JP
[85] 2018-01-11
[86] 2016-07-13 (PCT/JP2016/070704)
[87] (WO2017/010518)
[30] JP (2015-139806) 2015-07-13

[21] **2,992,260**
[13] A1
[51] **Int.Cl. B60C 23/02 (2006.01) B60W 40/12 (2012.01) G01C 21/26 (2006.01)**
[25] EN
[54] **TIRE CONDITIONING OPTIMIZATION FOR A COLLECTION OF MINING VEHICLES**
[54] **OPTIMISATION DE CONDITIONNEMENT DE PNEU POUR UN ENSEMBLE DE VEHICULES D'EXPLOITATION MINIERE**
[72] VAN LATUM, LUCAS, US
[72] RAYCO, MARIA BRENDA R., US
[71] MODULAR MINING SYSTEMS, INC., US
[85] 2018-01-11
[86] 2016-07-20 (PCT/US2016/043153)
[87] (WO2017/015380)
[30] US (62/195,732) 2015-07-22

[21] **2,992,261**
[13] A1
[51] **Int.Cl. H01M 4/90 (2006.01) B82Y 5/00 (2011.01) B82Y 25/00 (2011.01) B01J 31/02 (2006.01) B01J 37/36 (2006.01)**
[25] EN
[54] **AUTOMATED BIONANOCATALYST PRODUCTION**
[54] **PRODUCTION AUTOMATISEE DE BIONANOCATALYSATEURS**
[72] CORGIE, STEPHANE, US
[72] CHUN, MATTHEW, US
[72] CHAIRIL, RICKI, US
[72] BROOKS, RANI TALAL, US
[71] ZYMTRONIX, LLC, US
[85] 2018-01-11
[86] 2016-07-08 (PCT/US2016/041461)
[87] (WO2017/011292)
[30] US (62/193,041) 2015-07-15

[21] 2,992,262
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 29/00 (2006.01) A61P 37/02 (2006.01) A61P 37/06 (2006.01) A61P 37/08 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 15/02 (2006.01) C12N 15/09 (2006.01) C12P 21/08 (2006.01) G01N 33/53 (2006.01) G01N 33/531 (2006.01)**
[25] EN
[54] **ANTIBODY WHICH SPECIFICALLY BINDS TO HUMAN CRTH2**
[54] **ANTICORPS QUI SE LIE SPECIFIQUEMENT AU CRTH2 HUMAIN**
[72] KAMEYAMA, NAOYA, JP
[72] ANDO, MUNETOSHI, JP
[72] OGAWA, SHINYA, JP
[72] OKADA, KAZUKI, JP
[71] KYOWA HAKKO KIRIN CO., LTD., JP
[85] 2018-01-11
[86] 2016-07-15 (PCT/JP2016/071027)
[87] (WO2017/010567)
[30] JP (2015-141633) 2015-07-15

[21] 2,992,263
[13] A1
[51] **Int.Cl. A61F 2/82 (2013.01)**
[25] EN
[54] **DEVICES, SYSTEMS AND METHODS FOR USING AND MONITORING TUBES IN BODY PASSAGEWAYS**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES D'UTILISATION ET DE SURVEILLANCE DE TUBES DANS DES PASSAGES CORPORELS**
[72] HUNTER, WILLIAM L., CA
[71] CANARY MEDICAL INC., CA
[85] 2017-12-22
[86] 2015-06-25 (PCT/US2015/037823)
[87] (WO2015/200718)
[30] US (62/017,086) 2014-06-25

[21] 2,992,265
[13] A1
[51] **Int.Cl. C09D 17/00 (2006.01) C09C 1/24 (2006.01) C09C 3/06 (2006.01) C09D 201/00 (2006.01) C01G 49/06 (2006.01)**
[25] EN
[54] **SILICON OXIDE-COATED IRON OXIDE COMPOSITION FOR COATING COMPRISING IRON OXIDE PARTICLES COATED WITH SILICON OXIDE**
[54] **COMPOSITION D'OXYDE DE FER REVETU D'OXYDE DE SILICIUM A DES FINS DE REVETEMENT COMPRENANT DES PARTICULES D'OXYDE DE FER REVETUES D'OXYDE DE SILICIUM**
[72] ENOMURA, MASAKAZU, JP
[72] HONDA, DAISUKE, JP
[71] M. TECHNIQUE CO., LTD., JP
[85] 2018-01-11
[86] 2016-10-05 (PCT/JP2016/079700)
[87] (WO2017/061510)
[30] JP (2015-197556) 2015-10-05
[30] JP (2016-111346) 2016-06-02

[21] 2,992,272
[13] A1
[51] **Int.Cl. A61B 5/107 (2006.01) A61B 5/0215 (2006.01) A61B 5/027 (2006.01)**
[25] EN
[54] **MICRO-MOLDED ANAMORPHIC REFLECTOR LENS FOR IMAGE GUIDED THERAPEUTIC/DIAGNOSTIC CATHETERS**
[54] **LENTILLE REFLECTRICE ANAMORPHOSANTE MICRO-MOULEE POUR CATHETERS A USAGE DIAGNOSTIQUE/THERAPEUTIQUE GUIDES PAR IMAGERIE**
[72] PATEL, HIMANSHU N., US
[72] KANKARIA, MANISH, US
[72] CHAN, KIN F., US
[71] AVINGER, INC., US
[85] 2018-01-11
[86] 2016-07-13 (PCT/US2016/042152)
[87] (WO2017/011587)
[30] US (62/191,986) 2015-07-13
[30] US (62/191,956) 2015-07-13

[21] 2,992,274
[13] A1
[51] **Int.Cl. G06N 5/02 (2006.01)**
[25] EN
[54] **ENSEMBLE BASED DECISION MAKING**
[54] **PRISE DE DECISION BASEE SUR UN ENSEMBLE**
[72] ZHAO, YONG, US
[72] BOUCHARD, ANDRE J., US
[72] LUDOLPH, BRIAN S., US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2018-01-11
[86] 2016-07-12 (PCT/US2016/041921)
[87] (WO2017/011469)
[30] US (62/191,644) 2015-07-13
[30] US (15/208,296) 2016-07-12

[21] 2,992,275
[13] A1
[51] **Int.Cl. A61M 5/315 (2006.01)**
[25] EN
[54] **CONVERTIBLE PLUNGERS AND METHODS FOR ASSEMBLING THE SAME IN A MEDICAL BARREL**
[54] **PISTONS CONVERTIBLES ET LEURS PROCEDES D'ASSEMBLAGE DANS UN CYLINDRE MEDICAL**
[72] LILLY, BRIAN RUSSELL, US
[72] KELLY, KENNETH WADE, US
[72] ROGERS, JOSEPH W., US
[72] GIRAUD, JEAN-PIERRE, US
[72] RABINNE, BRUCE, FR
[72] PICHOT, HERVE, FR
[72] HUNT, BENJAMIN, US
[72] FREEMAN, ZACHARY DEAN, US
[71] SIO2 MEDICAL PRODUCTS, INC., US
[85] 2018-01-11
[86] 2016-07-13 (PCT/US2016/042167)
[87] (WO2017/011599)
[30] US (62/192,192) 2015-07-14
[30] US (62/269,600) 2015-12-18
[30] US (62/343,536) 2016-05-31

[21] **2,992,280**
[13] A1
[51] **Int.Cl. B01J 19/08 (2006.01) C25B 11/12 (2006.01)**
[25] EN
[54] **ELECTRODE FOR AN OZONE GENERATOR**
[54] **ELECTRODE POUR UN OZONEUR**
[72] JONTE, PATRICK B., US
[72] BRONDUM, KLAUS, US
[72] SULLIVAN, PATRICK, US
[72] GOROKHOVSKY, VLADIMIR, US
[71] DELTA FAUCET COMPANY, US
[85] 2018-01-11
[86] 2016-07-13 (PCT/US2016/042001)
[87] (WO2017/011506)
[30] US (62/191,741) 2015-07-13

[21] **2,992,282**
[13] A1
[51] **Int.Cl. A61K 9/10 (2006.01) A61K 31/138 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TRANSPAPILLARY METHODS AND COMPOSITIONS FOR TREATING BREAST DISORDERS**
[54] **METHODES ET COMPOSITIONS TRANSPAPILLAIRES POUR LE TRAITEMENT DES AFFECTIONS MAMMAIRES**
[72] QUAY, STEVEN C., US
[71] ATOSSA GENETICS INC., US
[85] 2018-01-11
[86] 2016-07-14 (PCT/US2016/042202)
[87] (WO2017/011623)
[30] US (62/192,505) 2015-07-14

[21] **2,992,283**
[13] A1
[51] **Int.Cl. G01N 27/327 (2006.01) H01C 17/00 (2006.01)**
[25] EN
[54] **ENCODED BIOSENSORS AND METHODS OF MANUFACTURE AND USE THEREOF**
[54] **BIOCAPTEURS CODES, LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] MOORE, STEVEN, US
[72] RIGGLES, RANDALL, US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2018-01-11
[86] 2016-08-09 (PCT/US2016/046124)
[87] (WO2017/039976)
[30] US (14/822,963) 2015-08-11

[21] **2,992,286**
[13] A1
[51] **Int.Cl. C12M 1/34 (2006.01) C12P 19/34 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MODULAR FLOW CELLS AND METHODS OF SEQUENCING**
[54] **CUVES MODULAIRES A FLUX CONTINU ET PROCEDES DE SEQUENCAGE**
[72] OLEJNIK, JERZY, US
[72] ZIMMERMAN, DIRK, US
[71] INTELLIGENT BIO-SYSTEMS, INC., US
[71] QIAGEN INSTRUMENTS AG, CH
[85] 2018-01-11
[86] 2016-07-21 (PCT/US2016/043216)
[87] (WO2017/015410)
[30] US (62/195,585) 2015-07-22

[21] **2,992,288**
[13] A1
[51] **Int.Cl. A61B 1/32 (2006.01) A61B 90/50 (2016.01) A61B 17/02 (2006.01) F16B 7/04 (2006.01)**
[25] EN
[54] **ADJUSTABLE LOCKING SURGICAL RETRACTOR**
[54] **ECARTEUR CHIRURGICAL A VERROUILLAGE REGLABLE**
[72] CESTERO, RAMON F., US
[72] LONG, JUSTIN, ALEXANDER, US
[72] LONG, JUSTIN ALEXANDER, US
[71] CESTERO, RAMON F., US
[71] LONG, JUSTIN ALEXANDER, US
[85] 2018-01-11
[86] 2016-08-10 (PCT/US2016/046432)
[87] (WO2017/027640)
[30] US (62/203,269) 2015-08-10

[21] **2,992,290**
[13] A1
[51] **Int.Cl. G01V 5/08 (2006.01) G01N 15/08 (2006.01) G06K 9/46 (2006.01) G06K 9/68 (2006.01)**
[25] EN
[54] **ENHANCED OIL RECOVERY RESPONSE PREDICTION**
[54] **PREVISION D'UNE REPONSE DE RECUPERATION DE PETROLE AMELIOREE**
[72] HOWARD, JAMES J., US
[72] LOVELL, GARY, US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2018-01-11
[86] 2016-07-14 (PCT/US2016/042282)
[87] (WO2017/011658)
[30] US (62/192,140) 2015-07-14
[30] US (15/210,333) 2016-07-14

[21] **2,992,291**
[13] A1
[51] **Int.Cl. C10G 2/00 (2006.01) C10J 3/72 (2006.01)**
[25] EN
[54] **SYNGAS PRODUCTION VIA CYCLIC REDUCTION AND OXIDATION OF METAL OXIDES**
[54] **PRODUCTION DE GAZ DE SYNTHESE PAR REDUCTION CYCLIQUE ET OXYDATION D'OXYDES METALLIQUES**
[72] SIENGCHUM, TRITTI, US
[72] VELAZQUEZ-VARGAS, LUIS, US
[72] FLYNN, THOMAS, US
[72] DEVAULT, DOUGLAS, US
[71] THE BABCOCK & WILCOX COMPANY, US
[85] 2018-01-11
[86] 2016-07-13 (PCT/US2016/042027)
[87] (WO2017/011520)
[30] US (14/799,559) 2015-07-14

[21] **2,992,292**
[13] A1
[51] **Int.Cl. B25C 1/08 (2006.01)**
[25] EN
[54] **ELASTOMERIC EXHAUST REED VALVE FOR COMBUSTION DRIVEN FASTENER HAND TOOL**
[54] **SOUPAPE ELASTOMERE FLEXIBLE D'ECHAPPEMENT POUR OUTIL A MAIN A ELEMENT DE FIXATION ACTIONNE PAR COMBUSTION**
[72] WONG, RAYMOND, US
[72] CHEN, SHIH-YI, TW
[72] CHEN, CHIN-CHUAN, TW
[71] POWER TECH STAPLE AND NAIL, INC., US
[85] 2018-01-11
[86] 2016-07-22 (PCT/US2016/043653)
[87] (WO2017/015595)
[30] US (62/196,196) 2015-07-23

[21] **2,992,293**
[13] A1
[51] **Int.Cl. A61M 25/00 (2006.01) A61M 19/00 (2006.01) A61M 25/095 (2006.01) A61M 25/16 (2006.01)**
[25] EN
[54] **CONDUCTIVE TIP CATHETER**
[54] **CATHETER A POINTE CONDUCTRICE**
[72] STURSA, RADEK, CZ
[72] STREDA, PETR, CZ
[71] TELEFLEX MEDICAL INCORPORATED, US
[85] 2018-01-11
[86] 2016-07-14 (PCT/US2016/042293)
[87] (WO2017/011664)
[30] US (62/192,574) 2015-07-15

[21] **2,992,295**
[13] A1
[51] **Int.Cl. A01N 47/00 (2006.01) A01N 47/08 (2006.01) C12N 15/63 (2006.01) C12N 15/79 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **MULTI FUNCTIONAL TOXINS**
[54] **TOXINES MULTIFONCTIONNELLES**
[72] BALL, TIMOTHY K., US
[72] EVDOKIMOV, ARTEM G., US
[72] GILBERTSON, LARRY A., US
[72] GUZOV, VICTOR M., US
[72] HAAS, JEFF A., US
[72] HUAI, QING, US
[72] IVASHUTA, SERGEY, US
[72] KEMP, MELISSA, US
[72] KONG, YIFEI, US
[72] MALVAR, THOMAS M., US
[72] OLSEN, BYRON V., US
[72] RAMASESHADRI, PARTHASARATHY, US
[72] WEINER, BRIAN E., US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2018-01-11
[86] 2016-07-22 (PCT/US2016/043691)
[87] (WO2017/015613)
[30] US (62/196,249) 2015-07-23
[30] US (62/328,543) 2016-04-27

[21] **2,992,296**
[13] A1
[51] **Int.Cl. B60J 5/04 (2006.01)**
[25] EN
[54] **VEHICLE DOOR ASSEMBLY**
[54] **ENSEMBLE PORTIERE DE VEHICULE**
[72] PLENTIS, DAVID N., US
[72] WOMACK, DARREN A., CA
[72] YOUNG, WARREN E., US
[71] MAGNA INTERNATIONAL INC., CA
[85] 2018-01-11
[86] 2016-07-22 (PCT/US2016/043705)
[87] (WO2017/015620)
[30] US (62/195,818) 2015-07-23

[21] **2,992,297**
[13] A1
[51] **Int.Cl. G06F 15/18 (2006.01)**
[25] EN
[54] **MACHINE LEARNING OF PHYSICAL CONDITIONS BASED ON ABSTRACT RELATIONS AND SPARSE LABELS**
[54] **APPRENTISSAGE MACHINE D'ETATS PHYSIQUES EN FONCTION DE RELATIONS ABSTRAITES ET D'ETIQUETTES EPARSES**
[72] FIROOZ, MOHAMMAD H., US
[72] MEHTA, NIKUNJ R., US
[72] OLSEN, GREG, US
[72] PRITCHARD, PETER NICHOLAS, US
[71] FALKONRY INC., US
[85] 2018-01-11
[86] 2016-07-15 (PCT/US2016/042465)
[87] (WO2017/011734)
[30] US (62/193,449) 2015-07-16
[30] US (15/195,873) 2016-06-28

[21] **2,992,299**
[13] A1
[51] **Int.Cl. A61K 38/19 (2006.01) A61K 31/395 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS USEFUL FOR THE TREATMENT OF TISSUE INJURY**
[54] **COMPOSITIONS PHARMACEUTIQUES UTILES POUR LE TRAITEMENT DE LESIONS TISSULAIRES**
[72] SUN, ZHAOLI, US
[71] MEDREGEN, LLC, US
[85] 2018-01-11
[86] 2016-07-15 (PCT/US2016/042507)
[87] (WO2017/011750)
[30] US (62/193,138) 2015-07-16

[21] **2,992,303**
[13] A1
[51] **Int.Cl. B22F 9/14 (2006.01) B22F 9/08 (2006.01)**
[25] EN
[54] **PLASMA ATOMIZATION METAL POWDER MANUFACTURING PROCESSES AND SYSTEMS THEREFOR**
[54] **PROCEDES DE FABRICATION DE POUDRE METALLIQUE PAR ATOMISATION AU PLASMA ET SYSTEMES S'Y RAPPORTANT**
[72] LAROUCHE, FREDERIC, CA
[72] BALMAYER, MATTHIEU, CA
[72] TRUDEAU-LALONDE, FRANCIS, CA
[71] AP&C ADVANCED POWDERS AND COATINGS INC., CA
[85] 2018-01-12
[86] 2016-07-06 (PCT/CA2016/050786)
[87] (WO2017/011900)
[30] US (62/193,622) 2015-07-17
[30] US (62/251,476) 2015-11-05

[21] **2,992,305**
[13] A1
[51] **Int.Cl. B65G 47/74 (2006.01) A01C 3/00 (2006.01) A01K 31/04 (2006.01) F16B 15/04 (2006.01) F16B 17/00 (2006.01) F26B 9/06 (2006.01) F26B 25/10 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND KIT FOR DRYING ANIMAL WASTE AND ORGANIC MATERIAL**
[54] **SYSTEME, PROCEDE ET KIT POUR LE SECHAGE DE DECHETS D'ANIMAUX ET DE MATIERES ORGANIQUES**
[72] CHARDINE, RAYMOND, FR
[71] INDUSTRIES AGRIGESCO INC., CA
[85] 2018-01-12
[86] 2016-07-08 (PCT/CA2016/050797)
[87] (WO2017/008149)
[30] US (62/192,615) 2015-07-15

[21] **2,992,306**
[13] A1
[51] **Int.Cl. A61K 38/19 (2006.01) A61K 38/17 (2006.01) A61K 38/20 (2006.01) A61K 38/24 (2006.01)**
[25] EN
[54] **CHIMERIC POLYPEPTIDE ASSEMBLY AND METHODS OF MAKING AND USING THE SAME**
[54] **ENSEMBLE DE POLYPEPTIDES CHIMERIQUES ET PROCEDES DE PREPARATION ET D'UTILISATION DE CEUX-CI**
[72] SCHELLENBERGER, VOLKER, US
[72] YANG, FAN, US
[72] THAYER, DESIREE, US
[72] SIM, BEE-CHENG, US
[72] WANG, CHIA-WEI, US
[71] AMUNIX OPERATING INC., US
[85] 2018-01-11
[86] 2016-08-26 (PCT/US2016/049137)
[87] (WO2017/040344)
[30] US (62/211,532) 2015-08-28
[30] US (62/263,319) 2015-12-04
[30] US (62/278,755) 2016-01-14
[30] US (62/338,285) 2016-05-18
[30] US (62/363,046) 2016-07-15
[30] US (62/379,673) 2016-08-25

[21] **2,992,309**
[13] A1
[51] **Int.Cl. B01J 19/12 (2006.01) A61L 2/08 (2006.01) C02F 1/30 (2006.01) C02F 1/32 (2006.01)**
[25] EN
[54] **FLUID TREATMENT SYSTEM**
[54] **SYSTEME DE TRAITEMENT DE FLUIDE**
[72] CALDWELL, CHRISTOPHER BRUCE, CA
[72] DUYN, SCOTT THOMAS, CA
[72] GIGGS, JULIAN, CA
[71] TROJAN TECHNOLOGIES, CA
[85] 2018-01-12
[86] 2016-07-12 (PCT/CA2016/050815)
[87] (WO2017/008156)
[30] US (62/231,702) 2015-07-14

[21] **2,992,313**
[13] A1
[51] **Int.Cl. E04C 3/29 (2006.01) E01D 6/00 (2006.01) E01D 19/00 (2006.01) E01D 21/00 (2006.01) E04C 3/02 (2006.01)**
[25] EN
[54] **COMPOSITE I-TRUSS**
[54] **FERME EN I COMPOSITE**
[72] CHAREST, YVAN, CA
[72] GIRARD, PAUL, CA
[72] OUELLET, YVES, CA
[71] 9306-1695 QUEBEC INC., CA
[85] 2018-01-12
[86] 2016-07-12 (PCT/CA2016/050820)
[87] (WO2017/008158)
[30] US (62/191,759) 2015-07-13

[21] **2,992,316**
[13] A1
[51] **Int.Cl. A61F 5/37 (2006.01)**
[25] EN
[54] **ARM SUPPORT**
[54] **SUPPORT DE BRAS**
[72] QUIGLEY, BENITA ANN, US
[72] WELK, REBECCA LEIGH, US
[71] BEME INNOVATIONS LLC, US
[85] 2018-01-11
[86] 2016-07-15 (PCT/US2016/042586)
[87] (WO2017/011781)
[30] US (14/800,164) 2015-07-15

[21] **2,992,318**
[13] A1
[51] **Int.Cl. F04F 5/44 (2006.01) B23P 15/00 (2006.01) E21B 43/12 (2006.01) F04F 5/10 (2006.01)**
[25] EN
[54] **JET PUMP MANUFACTURED USING ADDITIVE AND SUBTRACTIVE MACHINING TECHNIQUES**
[54] **POMPE A JET FABRIQUE A L'AIDE DE TECHNIQUES D'USINAGE ADDITIVES ET SOUSTRACTIVES**
[72] FALK, KELLY, CA
[72] YORGASON, BRANDON, CA
[71] SOURCE ROCK ENERGY PARTNERS INC., CA
[85] 2018-01-12
[86] 2016-07-13 (PCT/CA2016/050827)
[87] (WO2017/008163)
[30] US (62/191,875) 2015-07-13

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

[21] **2,933,270**
[13] A1
[51] **Int.Cl. E06B 9/42 (2006.01)**
[25] EN
[54] **APPARATUS FOR SUPPORTING BLIND ROLLERS**
[54] **APPAREIL DE SUPPORT DE ROULEAUX DE TOILE**
[72] MARZILLI, TONY, CA
[72] BAYAR, SAFFET, TR
[71] TRIBUTE WINDOW COVERINGS INC., CA
[22] 2016-06-16
[41] 2017-12-15
[30] US (15/182,982) 2016-06-15

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[21] **2,933,457**
[13] A1
[51] **Int.Cl. B01D 39/02 (2006.01) A62D 9/00 (2006.01) B01D 53/02 (2006.01)**
[25] EN
[54] **FILTER FOR RESPIRATOR MASK OR OTHER FILTERING APPLICATIONS**
[54] **FILTRE DESTINE A UN MASQUE RESPIRATEUR OU AUTRES APPLICATIONS DE FILTRATION**
[72] LEMYRE, JEAN-LUC, CA
[72] ROMERO, JENNIFER, CA
[71] AIRBOSS ENGINEERED PRODUCTS INC., CA
[22] 2016-06-15
[41] 2017-12-15

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[21] **2,935,549**
[13] A1
[51] **Int.Cl. B65D 1/36 (2006.01) B60N 3/10 (2006.01)**
[25] EN
[54] **VEHICLE TRAY**
[54] **PLATEAU DE VEHICULE**
[72] LIEBOWITZ, TYLER, US
[72] DELANEY, JAMES HARRY, US
[71] LEVEL SOLUTIONS, LLC, US
[22] 2016-07-08
[41] 2018-01-08

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[21] **2,935,711**
[13] A1
[51] **Int.Cl. D06F 58/10 (2006.01)**
[25] EN
[54] **DRYMATE**
[54] **ACCESSOIRE DE SECHAGE**
[72] LESSARD, STEVEN R., CA
[71] LESSARD, STEVEN R., CA
[22] 2016-07-07
[41] 2018-01-07

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[21] **2,970,860**
[13] A1
[51] **Int.Cl. B03B 5/04 (2006.01) B03B 5/06 (2006.01)**
[25] EN
[54] **AGGREGATE WASHING SYSTEMS, METHODS, AND APPARATUS**
[54] **SYSTEMES, METHODES ET APPAREILLAGE DE LAVAGE D'AGGREGATS**
[72] BENNINGTON, JOHN, US
[71] SUPERIOR INDUSTRIES, INC., US
[22] 2017-06-15
[41] 2017-12-16
[30] US (62/350,776) 2016-06-16
[30] US (62/382,752) 2016-09-01

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[21] **2,970,905**
[13] A1
[51] **Int.Cl. B65D 51/22 (2006.01)**
[25] EN
[54] **PERFORATOR CAP, IN PARTICULAR FOR A FLEXIBLE TUBE**
[54] **CAPUCHON DE PERFORATEUR, EN PARTICULIER DESTINE A UN TUBE FLEXIBLE**
[72] DEFERT, SYLVAIN, FR
[72] FRITSCH, FRANCK, FR
[71] ALBEA SERVICES, FR
[22] 2017-06-15
[41] 2017-12-23
[30] FR (16 55 898) 2016-06-23

---

[21] **2,972,647**
[13] A1
[51] **Int.Cl. H04W 84/10 (2009.01) H04W 92/02 (2009.01) H04B 7/0413 (2017.01)**
[25] EN
[54] **DISTRIBUTED WIRELESS COMMUNICATION SYSTEM FOR MOVING VEHICLES**
[54] **SYSTEME DE COMMUNICATION SANS FIL DISTRIBUE DESTINE A DES VEHICULES MOBILES**
[72] KARLSSON, MATS, SE
[72] EKLUND, PETER, SE
[71] ICOMERA AB, SE
[22] 2017-07-06
[41] 2018-01-14
[30] SE (1651060-4) 2016-07-14

---

[21] **2,972,719**
[13] A1
[51] **Int.Cl. H04W 16/00 (2009.01) H04W 84/00 (2009.01) H04W 92/02 (2009.01)**
[25] EN
[54] **DEVELOPMENT PLATFORM FOR MULTI-WIRELESS TRANSMISSION CAPABILITIES**
[54] **PLATEFORME DE DEVELOPPEMENT DE CAPACITES DE TRANSMISSION MULTIPLES SANS FIL**
[72] MIDDLETON, ANTHONY, CA
[72] RODRIGUES, DANIEL, CA
[72] LEGUE, JAMES, CA
[72] MOWBRAY, DOUG, CA
[71] SWIFT LABS INC., CA
[22] 2017-07-10
[41] 2018-01-11
[30] US (62/360,653) 2016-07-11

[21] **2,973,108**
[13] A1
[51] **Int.Cl. H04L 12/46 (2006.01) H04L 12/749 (2013.01) H04L 12/911 (2013.01)**
[25] EN
[54] **METHOD AND ROUTER TO PERMIT OR BLOCK INTERNET PROTOCOL (IP) CONNECTIVITY BASED ON ORIGINATING DOMAIN NAME SERVER (DNS) REQUESTS**
[54] **METHODE ET ROUTEUR SERVANT A PERMETTRE OU BLOQUER LA CONNECTIVITE DE PROTOCOLE INTERNET (IP) SELON LES REQUETES DE SERVEUR DE NOM DE DOMAINE D'ORIGINE**
[72] REDEKOP, DAVID, CA
[72] TREBICKY, TOMAS, CA
[71] DNSTHINGY INC., CA
[22] 2017-07-13
[41] 2018-01-13
[30] US (62/361,784) 2016-07-13

[21] **2,983,954**
[13] A1
[51] **Int.Cl. A61K 39/40 (2006.01) A61K 39/085 (2006.01) A61K 39/385 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **IMMUNOGENIC COMPOSTION**
[54] **COMPOSITION IMMUNOGENE**
[72] CASTADO, CINDY, BE
[72] LECRENIER, NICOLAS PIERRE FERNAND, BE
[72] NEYT, CECILE ANNE, BE
[72] POOLMAN, JAN, BE
[71] GLAXOSMITHKLINE BIOLOGICALS S.A., BE
[22] 2005-09-20
[41] 2006-03-30
[62] 2,580,103
[30] GB (0421082.9) 2004-09-22
[30] GB (0421078.7) 2004-09-22
[30] GB (0421081.1) 2004-09-22
[30] GB (0421079.5) 2004-09-22
[30] GB (0503143.0) 2005-02-15

[21] **2,983,972**
[13] A1
[51] **Int.Cl. A61K 38/45 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING HEMATOLOGIC CANCERS TARGETING THE SIRP.ALPHA.-CD47 INTERACTION**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DES CANCERS HEMATOLOGIQUES, CIBLANT L'INTERACTION SIRP.ALPHA.-CD47**
[72] WANG, C. Y. JEAN, CA
[72] DICK, JOHN, CA
[72] DANSKA, JAYNE, CA
[72] JIN, LIQING, CA
[72] THEOCHARIDES, ALEXANDRE, CA
[72] RAJAKUMAR, SUJEETHA, CA
[71] UNIVERSITY HEALTH NETWORK, CA
[71] THE HOSPITAL FOR SICK CHILDREN, CA
[22] 2010-05-14
[41] 2010-11-18
[62] 2,761,438
[30] US (61/178,553) 2009-05-15

[21] **2,984,026**
[13] A1
[51] **Int.Cl. C07D 317/28 (2006.01) C12N 15/113 (2010.01) A61K 9/14 (2006.01) A61K 39/00 (2006.01) A61K 47/22 (2006.01) A61P 37/04 (2006.01) C07D 319/06 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **IMPROVED AMINO LIPIDS AND METHODS FOR THE DELIVERY OF NUCLEIC ACIDS**
[54] **LIPIDES AMINES AMELIORES ET PROCEDES D'ADMINISTRATION D'ACIDES NUCLEIQU S**
[72] HOPE, MICHAEL J., CA
[72] SEMPLE, SEAN C., CA
[72] CHEN, JIANXIN, CA
[72] MADDEN, THOMAS D., CA
[72] CULLIS, PIETER R., CA
[72] CIUFOLINI, MARCO A., CA
[72] MUI, BARBARA, CA
[71] ARBUTUS BIOPHARMA CORPORATION, CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[22] 2009-10-09
[41] 2010-04-15
[62] 2,740,000
[30] US (61/104,212) 2008-10-09
[30] US (61/104,219) 2008-10-09
[30] US (61/220,666) 2009-06-26

[21] **2,984,221**
[13] A1
[51] **Int.Cl. G01N 27/416 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR QUALITY ASSURANCE OF A BIOSENSOR TEST STRIP**
[54] **SYSTEME ET PROCEDE D'ASSURANCE DE QUALITE D'UNE BANDE TEST DE BIO-DETECTEUR**
[72] CELENTANO, MICHAEL J., US
[72] GROLL, HENNING, US
[72] PAULEY, JAMES L., US
[72] MOORE, STEVEN K., US
[71] F. HOFFMANN-LA ROCHE AG, CH
[22] 2005-06-20
[41] 2005-12-29
[62] 2,570,186
[30] US (60/581,002) 2004-06-18

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

[21] **2,984,226**
[13] A1
[51] **Int.Cl. C07C 279/08 (2006.01) A61K 51/04 (2006.01) C07C 279/06 (2006.01)**
[25] EN
[54] **LIGANDS FOR IMAGING CARDIAC INNERVATION**
[54] **LIGANDS POUR IMAGERIE D'INNERVATION CARDIAQUE**
[72] PUROHIT, AJAY, US
[72] HARRIS, THOMAS D., US
[72] RADEKE, HEIKE S., US
[72] ROBINSON, SIMON P., US
[72] YU, MING, US
[72] CASEBIER, DAVID S., US
[72] AZURE, MICHAEL T., US
[71] LANTHEUS MEDICAL IMAGING, INC., US
[22] 2007-12-21
[41] 2008-07-10
[62] 2,673,853
[30] US (60/877211) 2006-12-26

[21] **2,984,263**
[13] A1
[51] **Int.Cl. A61K 33/30 (2006.01) A61K 33/00 (2006.01) A61K 33/04 (2006.01) A61P 3/02 (2006.01)**
[25] EN
[54] **TRACE ELEMENTS**
[54] **ELEMENTS TRACES**
[72] SMITH, WILLIAM A., IE
[71] WARBURTON TECHNOLOGY LIMITED, IE
[22] 2009-11-30
[41] 2010-06-17
[62] 2,745,327
[30] ZA (2008/10426) 2008-12-09

[21] **2,984,510**
[13] A1
[51] **Int.Cl. G01N 27/416 (2006.01)**
[25] EN
[54] **MULTI-REGION AND POTENTIAL TEST SENSORS, METHODS, AND SYSTEMS**
[54] **CAPTEURS POUR ESSAI DE POTENTIEL ET MULTIREGION, PROCEDES ET SYSTEMES**
[72] WU, HUAN PING, US
[72] ZHONG, WIEPING, US
[72] PERRY, JOSEPH E., US
[72] MAURER, ERIC, US
[72] JUNG, SUNG-KWON, US
[71] ASCENSIA DIABETES CARE HOLDINGS AG, CH
[22] 2008-09-24
[41] 2009-04-02
[62] 2,899,469
[30] US (60/974,823) 2007-09-24

[21] **2,984,544**
[13] A1
[51] **Int.Cl. A61K 47/54 (2017.01) A61K 31/4458 (2006.01) A61K 31/4545 (2006.01) A61P 25/26 (2006.01)**
[25] EN
[54] **METHYLPHENIDATE-PRODRUGS, PROCESSES OF MAKING AND USING THE SAME**
[54] **PROMEDICAMENTS METHYLPHENIDATES, PROCEDES DE FABRICATION ET D'UTILISATION DE CEUX-CI**
[72] CHI, GUOCHEN, US
[72] GUENTHER, SVEN, US
[72] BERA, BINDU, US
[72] MICKLE, TRAVIS, US
[72] BERA, SANJIB, US
[71] KEMPHARM INC., US
[22] 2012-07-27
[41] 2013-01-31
[62] 2,837,732
[30] US (61/512,658) 2011-07-28

[21] **2,984,736**
[13] A1
[51] **Int.Cl. A61K 47/12 (2006.01) A61K 9/12 (2006.01) A61K 31/166 (2006.01) A61K 47/18 (2017.01) A61P 1/08 (2006.01)**
[25] EN
[54] **NASAL FORMULATIONS OF METOCLOPRAMIDE**
[54] **FORMULATIONS NASALES DE METOCLOPRAMIDE**
[72] D'ONOFRIO, MATTHEW J., US
[72] GONYER, DAVID A., US
[72] SHAH, SHIRISH A., US
[72] MADDEN, STUART J., US
[71] EVOKE PHARMA, INC., US
[22] 2009-12-22
[41] 2010-07-01
[62] 2,780,485
[30] US (61/140034) 2008-12-22

[21] **2,984,935**
[13] A1
[51] **Int.Cl. A61K 31/702 (2006.01) A61K 31/715 (2006.01) A61P 1/14 (2006.01)**
[25] EN
[54] **PREBIOTIC FORMULATIONS AND METHODS OF USE**
[54] **FORMULATIONS PREBIOTIQUES ET METHODES D'UTILISATION**
[72] RITTER, ANDREW J., US
[72] SAVAIANO, DENNIS, US
[72] BARNES, DAVID, US
[72] KLAENHAMMER, TODD ROBERT, US
[71] RITTER PHARMACEUTICALS, INC., US
[22] 2010-02-16
[41] 2010-09-02
[62] 2,752,800
[30] US (61/155,150) 2009-02-24
[30] US (61/272,622) 2009-10-13

[21] **2,984,974**
[13] A1
[51] **Int.Cl. C07D 307/93 (2006.01) A61K 31/343 (2006.01) A61K 31/38 (2006.01) A61K 31/395 (2006.01) A61P 31/12 (2006.01) C07D 405/04 (2006.01) C07D 405/12 (2006.01) C07D 409/12 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01) C07F 9/655 (2006.01)**
[25] EN
[54] **INDANONE DERIVATIVES, PHARMACEUTICALLY ACCEPTABLE SALTS OR OPTICAL ISOMERS THEREOF, PREPARATION METHOD FOR SAME, AND PHARMACEUTICAL COMPOSITIONS CONTAINING SAME AS ACTIVE INGREDIENT FOR PREVENTING OR TREATING VIRAL DISEASES**
[54] **DERIVES INDANONE, LEURS ISOMERES OPTIQUES OU LEURS SELS PHARMACEUTIQUEMENT ACCEPTABLES, LEUR PROCEDE DE PREPARATION, ET DES COMPOSITIONS PHARMACEUTIQUES LES CONTENANT EN TANT QUE PRINCIPE ACTIF POUR PREVENIR OU TRAITER DES MALADIES VIRALES**
[72] JUNG, YOUNG SIK, KR
[72] LEE, CHONG KGO, KR
[72] KIM, HAE SOO, KR
[72] JEONG, HEE CHUN, KR
[72] KIM, PIL HO, KR
[72] HAN, SOO BONG, KR
[72] NEYTS, JOHAN, KR
[72] THIBAUT, HENDRIK JAN, KR
[72] SHIN, JIN SOO, KR
[71] KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY, KR
[71] KATHOLIEKE UNIVERSITEIT LEUVEN K.U. LEUVEN R & D, BE
[22] 2012-06-18
[41] 2012-12-20
[62] 2,838,703
[30] KR (10-2011-0058705) 2011-06-16
[30] KR (10-2012-0065022) 2012-06-18

[21] **2,984,994**
[13] A1
[51] **Int.Cl. C07D 215/56 (2006.01)**
[25] EN
[54] **PROCESS FOR MAKING MODULATORS OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR**
[54] **PROCEDE POUR PREPARER DES MODULATEURS DE REGULATEUR DE CONDUCTANCE TRANSMEMBRANAIRE DE MUCOVISCIDOSE**
[72] DEMATTEI, JOHN, US
[72] LOOKER, ADAM R., US
[72] NEUBERT-LANGILLE, BOBBIANNA, US
[72] TRUDEAU, MARTIN, US
[72] ROEPER, STEFANIE, US
[72] RYAN, MICHAEL P., US
[72] YAP, DAHRIKA MILFRED LAO, US
[72] KRUEGER, BRIAN R., US
[72] GROOTENHUIS, PETER D. J., US
[72] VAN GOOR, FREDRICK F., US
[72] BOTFIELD, MARTYN C., US
[72] ZLOKARNIK, GREGOR, US
[71] VERTEX PHARMACEUTICALS INCORPORATED, US
[22] 2010-03-19
[41] 2010-09-23
[62] 2,756,031
[30] US (61/162,148) 2009-03-20
[30] US (61/246,303) 2009-09-28
[30] US (61/248,565) 2009-10-05

[21] **2,985,006**
[13] A1
[51] **Int.Cl. C07D 403/06 (2006.01) A61K 31/513 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **STABLE CRYSTAL FORM OF TIPIRACIL HYDROCHLORIDE AND CRYSTALLIZATION METHOD FOR THE SAME**
[54] **CRISTAL STABILISE DE CHLORHYDRATE DE TIPIRACIL, ET SON PROCEDE DE CRISTALLISATION**
[72] MUTSUMI, TOMONOBU, JP
[72] KAZUNO, HIDEKI, JP
[71] TAIHO PHARMACEUTICAL CO., LTD., JP
[22] 2014-06-17
[41] 2014-12-24
[62] 2,914,999
[30] JP (2013-126567) 2013-06-17

[21] **2,986,745**
[13] A1
[51] **Int.Cl. E05C 9/06 (2006.01) E05C 9/04 (2006.01)**
[25] EN
[54] **MORTISE AND MULTIPOINT LATCHING ASSEMBLY**
[54] **ASSEMBLAGE DE MORTAISE ET DE LOQUET MULTIPOINT**
[72] ALI, MOHAMMED M., US
[72] KONDI, SUSHANTH A., US
[72] PUTASWAMY, KEMPARAJU, US
[72] COLEMAN, MICHAEL D., US
[72] GRAHAM, MATTHEW S., US
[71] SCHLAGE LOCK COMPANY LLC, US
[22] 2015-07-03
[41] 2016-01-03
[62] 2,896,489
[30] US (14/324,016) 2014-07-03

[21] **2,987,533**
[13] A1
[51] **Int.Cl. H04L 12/437 (2006.01)**
[25] EN
[54] **RING REDUNDANT COMMUNICATION PATH CONTROL METHOD**
[54] **METHODE DE COMMANDE DE VOIE DE COMMUNICATION REDONDANTE EN ANNEAU**
[72] MARUYOSHI, MASAHIRO, JP
[72] SUZUKI, MUNEYOSHI, JP
[72] HATO, KUNIO, JP
[72] MINAMI, KATSUYA, JP
[71] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP
[22] 2007-03-27
[41] 2007-10-25
[62] 2,644,986
[30] JP (2006-088273) 2006-03-28

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

[21] **2,987,984**
[13] A1
[51] **Int.Cl. G12B 17/08 (2006.01)**
[25] EN
[54] **PRE-FILTRATION AND MAINTENANCE SENSING FOR EXPLOSION-PROOF ENCLOSURES**
[54] **PRE-FILTRATION ET DETECTION DE MAINTENANCE POUR ENCEINTES ANTIDEFLAGRANTES**
[72] MANAHAN, JOSEPH MICHAEL, US
[72] DECARR, GRAIG E., US
[71] COOPER TECHNOLOGIES COMPANY, US
[22] 2011-12-20
[41] 2012-06-28
[62] 2,820,306
[30] US (61/426413) 2010-12-22

---

[21] **2,989,475**
[13] A1
[51] **Int.Cl. F04D 3/02 (2006.01) F04D 7/00 (2006.01) F04D 19/00 (2006.01)**
[25] EN
[54] **METHOD OF PUMPING A WELLBORE FLUID**
[54] **METHODE DE POMPAGE D'UN FLUIDE DE TROU DE FORAGE**
[72] SIMPSON, ALASTAIR, GB
[71] HIVIS PUMPS AS, NO
[22] 2011-07-27
[41] 2012-02-02
[62] 2,806,472
[30] GB (1012792.6) 2010-07-30

---

[21] **2,989,478**
[13] A1
[51] **Int.Cl. B29D 11/00 (2006.01) G02B 6/10 (2006.01)**
[25] EN
[54] **OPTICAL FIBER ASSEMBLIES, AND METHODS AND APPARATUS FOR THE MANUFACTURE THEREOF**
[54] **ENSEMBLES DE FIBRES OPTIQUES ET PROCEDES ET APPAREIL DE FABRICATION ASSOCIES**
[72] BURNS, RODNEY M., US
[72] FILIPPOV, ANDREY V., US
[72] FREELAND, RILEY S., US
[72] HAWTOF, DANIEL W., US
[72] MCALPINE, WARREN W., US
[72] TEDDER, CATHARINA L., US
[71] CORNING OPTICAL COMMUNICATIONS LLC, US
[22] 2009-08-14
[41] 2010-02-18
[62] 2,732,974
[30] US (61/189,076) 2008-08-15

---

[21] **2,989,498**
[13] A1
[51] **Int.Cl. C07G 1/00 (2011.01) C08H 7/00 (2011.01) C08J 3/20 (2006.01) C08K 5/13 (2006.01) C08L 97/00 (2006.01) C10L 10/00 (2006.01) D21C 1/02 (2006.01) D21C 3/00 (2006.01)**
[25] EN
[54] **DERIVATIVES OF NATIVE LIGNIN**
[54] **DERIVES DE LIGNINE NATURELLE**
[72] BALAKSHIN, MIKHAIL YUREVICH, CA
[72] BERLIN, ALEX, CA
[72] DELLICOLLI, HUMBERT THOMAS, US
[72] GRUNERT, CHADRICK ADAM NATHANIEL JORDAN, CA
[72] GUTMAN, VERA MAXIMENKO, CA
[72] ORTIZ, DARWIN, CA
[72] PYE, EDWARD KENDALL, US
[71] FIBRIA INNOVATIONS INC., CA
[22] 2010-02-15
[41] 2010-12-02
[62] 2,798,158
[30] US (61/182,044) 2009-05-28
[30] US (61/233,345) 2009-08-12

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[21] **2,989,641**
[13] A1
[51] **Int.Cl. H01H 9/02 (2006.01) G01R 1/20 (2006.01) H01H 1/58 (2006.01) H01H 3/02 (2006.01)**
[25] EN
[54] **ELECTRICAL TEST SWITCH WITH SOLIDIFYING BASE**
[54] **COMMUTATEUR DE TEST ELECTRIQUE DOTE D'UNE BASE SOLIDIFIANTE**
[72] BOURGEOIS, JEAN-RAYMOND, CA
[71] BOURGEOIS, JEAN-RAYMOND, CA
[22] 2016-04-11
[41] 2016-10-10
[62] 2,926,904
[30] US (62/145,850) 2015-04-10

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[21] **2,989,854**
[13] A1
[51] **Int.Cl. G06T 9/00 (2006.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/85 (2014.01)**
[25] EN
[54] **IMAGE ENCODING SYSTEM BASED UPON BOUNDARY STRENGTH**
[54] **SYSTEME DE CODAGE D'IMAGE BASE SUR LA FORCE DE LIMITE**
[72] SUN, SHIJUN, US
[72] LEI, SHAWMIN, US
[72] KATATA, HIROYUKI, JP
[71] DOLBY INTERNATIONAL AB, NL
[22] 2002-09-11
[41] 2003-03-27
[62] 2,973,279
[30] US (09/953,329) 2001-09-14

---

[21] **2,989,883**
[13] A1
[51] **Int.Cl. H04N 19/82 (2014.01)**
[25] EN
[54] **IMAGE ENCODING SYSTEM BASED UPON BOUNDARY STRENGTH**
[54] **SYSTEME DE CODAGE D'IMAGE BASE SUR LA FORCE DE LIMITE**
[72] SUN, SHIJUN, US
[72] LEI, SHAWMIN, US
[72] KATATA, HIROYUKI, US
[71] DOLBY INTERNATIONAL AB, NL
[22] 2002-09-11
[41] 2003-03-27
[62] 2,973,279
[30] US (09/953,329) 2001-09-14

[21] **2,989,941**
[13] A1
[51] **Int.Cl. A61K 31/737 (2006.01) A61P 41/00 (2006.01) A61K 36/03 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSTIONS AND METHODS RELATING TO INHIBITING FIBROUS ADHESIONS OR INFLAMMATORY DISEASE USING LOW SULPHATE FUCANS**
[54] **COMPOSITIONS PHARMACEUTIQUES ET METHODES RELATIVES A L'INHIBITION D'ADHERENCES FIBREUSES OU DE MALADIES INFLAMMATOIRES A L'AIDE DE FUCANES A BASSE TENEUR EN SULFATE**
[72] CASHMAN, JOHANNE, CA
[72] SPRINGATE, CHRISTOPHER, CA
[72] WINTERNITZ, CHARLES, CA
[71] ARC PHARMACEUTICALS, INC., CA
[22] 2005-09-23
[41] 2006-03-30
[62] 2,623,471
[30] US (60612676) 2004-09-23
[30] US (60612665) 2004-09-23

[21] **2,990,779**
[13] A1
[51] **Int.Cl. A47C 31/00 (2006.01) A61B 5/00 (2006.01) A61B 5/11 (2006.01)**
[25] EN
[54] **SLEEP SYSTEM ALARM**
[54] **ALARME DE DISPOSITIF DE SOMMEIL**
[72] BENSON, RONALD STUART, CA
[72] DENOMME, RYAN CAMERON, CA
[71] BLUE OCEAN LABORATORIES, INC., CA
[22] 2013-12-16
[41] 2015-06-16
[62] 2,836,431

[21] **2,990,793**
[13] A1
[51] **Int.Cl. B01D 53/047 (2006.01) B01D 53/62 (2006.01)**
[25] EN
[54] **METHODS OF REMOVING CONTAMINANTS FROM A HYDROCARBON STREAM BY SWING ADSORPTION AND RELATED APPARATUS AND SYSTEMS**
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[72] JOHNSON, ROBERT A., US
[72] ANDERSON, THOMAS N., US
[72] KELLEY, BRUCE T., US
[72] RAVIKOVITCH, PETER I., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[22] 2012-02-27
[41] 2012-09-07
[62] 2,824,991
[30] US (61/448,121) 2011-03-01

[21] **2,990,800**
[13] A1
[51] **Int.Cl. A61H 3/04 (2006.01)**
[25] EN
[54] **WALKERS AND METHODS OF USE**
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[72] CHEN, ZHI CHENG, CN
[71] BDARK HOLDINGS LTD., CA
[22] 2013-12-23
[41] 2015-06-23
[62] 2,837,594

[21] **2,990,804**
[13] A1
[51] **Int.Cl. E21B 43/25 (2006.01) E21B 43/16 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ELECTROKINETIC EXTRACTION OF HEAVY OIL**
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[72] FRISKY, SEAN, CA
[71] FRISKY, SEAN, CA
[22] 2009-06-10
[41] 2009-12-10
[62] 2,668,784
[30] CA (2634841) 2008-06-10

[21] **2,990,911**
[13] A1
[51] **Int.Cl. E21B 34/10 (2006.01) E21B 34/14 (2006.01)**
[25] EN
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[72] KING, KYLE ALLEN, US
[72] HARRALL, SIMON J., US
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[22] 2014-06-26
[41] 2014-12-31
[62] 2,916,019
[30] US (61/839,447) 2013-06-26

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[21] **2,991,166**
[13] A1
[51] **Int.Cl. H04N 19/139 (2014.01) H04N 19/107 (2014.01) H04N 19/109 (2014.01) H04N 19/176 (2014.01)**
[25] EN
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[72] SUGIMOTO, KAZUO, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[22] 2011-07-21
[41] 2012-04-05
[62] 2,813,232
[30] JP (2010-221460) 2010-09-30
[30] JP (2011-050214) 2011-03-08

[21] **2,991,346**
[13] A1
[51] **Int.Cl. A61B 34/30 (2016.01) A61B 1/04 (2006.01) A61B 17/94 (2006.01)**
[25] EN
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[72] RENTSCHLER, MARK, US
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[72] PLATT, STEVE, US
[72] OLEYNIKOV, DMITRY, US
[71] BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA, US
[22] 2007-06-21
[41] 2007-12-27
[62] 2,861,159
[30] US (60/815,741) 2006-06-22
[30] US (60/845,608) 2006-09-19
[30] US (60/868,030) 2006-11-30
[30] US (60/884,792) 2007-01-12
[30] US (60/888,182) 2007-02-05

[21] **2,991,520**
[13] A1
[51] **Int.Cl. A61F 5/445 (2006.01)**
[25] EN
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[22] 2009-04-21
[41] 2009-10-29
[62] 2,719,705
[30] US (61/046,999) 2008-04-22

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GATZWEILER, ELMAR 2,990,981
GATZWEILER, ELMAR 2,990,985
GAUDREAULT, ERIC 2,991,497
GE HEALTHCARE LIMITED 2,991,258
GEBAUDEREINIGUNG LISSOWSKI GMBH 2,991,541
GEIGER, JOHANNES 2,990,881
GEIGER, JOHANNES 2,990,883
GENECTIVE 2,991,364
GENERAL ELECTRIC COMPANY 2,990,003
GENERAL ELECTRIC COMPANY 2,991,405
GENERAL ELECTRIC TECHNOLOGY GMBH 2,988,203
GENERAL ELECTRIC TECHNOLOGY GMBH 2,988,454
GENERAL ELECTRIC TECHNOLOGY GMBH 2,989,967
GENERAL MILLS, INC. 2,991,758
GENESANT TECHNOLOGIES, INC. 2,991,809
GENKIN, GREGORY 2,984,727
GENNISSEN IP B.V. 2,991,602
GENNISSEN, EDUARDUS LEONARDUS 2,991,602
GENOPLANTE-VALOR 2,991,377
GENTIAN DIAGNOSTICS AS 2,991,093
GEORGE, MARC 2,991,530
GEORGIEV, TODOR GEORGIEV 2,990,195
GEORGIEV, TODOR GEORGIEV 2,990,426
GERARD, BAUDOUIN 2,991,305
GERARD, BAUDOUIN 2,991,326
GERLACH, OLGA 2,991,061
GERLACHER, HARALD 2,991,347
GHARIB, MORTEZA 2,991,057
GHOROGHCHIAN, P. PETER 2,991,101
GHOROGHCHIAN, P. PETER 2,991,109
GI4 S.R.O. 2,991,945
GIBERMAN, ALEXANDER S. 2,991,065
GIBERMAN, ALEXANDER S. 2,991,066
GIBSON POWER TECH GMBH 2,990,935
GIERSCH, RICHARD 2,992,139
GIESECKE+DEVRIENT MOBILE SECURITY GMBH 2,986,618
GIGGS, JULIAN 2,992,309
GIL, LAHAV 2,991,711
GILBERT, ADAM MATTHEW 2,984,183
GILBERTSON, LARRY A. 2,992,295
GIMAT, MATTHIEU ARNAUD 2,991,431
GIRARD, PAUL 2,992,313
GIRAUD, JEAN-PIERRE 2,992,275
GLADDING, JEFFERY A. 2,986,427
GLENCROSS, JAMES 2,989,953
GLENCROSS, JAMES 2,989,954
GLENCROSS, JAMES 2,990,066
GLICKER, BRIAN 2,991,300
GLIKNIK INC. 2,991,254
GLOS, MARTIN 2,991,284
GODSHAW, DONALD E. 2,992,094
GOLDBERG, JONATHAN 2,991,415
GOLFZON CO., LTD. 2,987,916
GOLLAPALLI, JOSHUA SAMUEL 2,991,573
GOLTZ, H. ROBERT 2,990,871
GOLWAY, MICHAEL W. 2,991,297
GONDHALEKAR, RAVI L. 2,991,047
GONZALEZ VIOQUE, EMILIANO 2,991,271
GORDILLO, ALVARO 2,991,075
GORGENS, ULRICH 2,991,261
GOROKHOVSKY, VLADIMIR 2,992,280
GORONKOV, ANDREY VLADIMIROVICH 2,991,118
GOSSEN, STEFAN 2,988,207
GOTTHARD 3 MECHATRONIC SOLUTIONS AG 2,991,660
GOTTSCHALK, ROMAN 2,990,876
GOUGH, SHIRLEY 2,991,649
GOURDET, BENOIT 2,991,099
GOYAL, SACHIT 2,990,867
GOYAL, SACHIT 2,990,871
GOZZO, ANDREA 2,991,272
GRAHAM, DAVID 2,992,035
GRAMICCIONI, GARY A. 2,972,937
GRAMMENOS, WASSILIOS 2,990,991
GRANBOM, YLVA 2,990,879
GREGAR, PETER PAUL 2,991,783
GRIFFIN, ROBERT ANTHONY 2,991,363
GRIFFIN, ROBERT ANTHONY 2,991,451
GROTE, THOMAS 2,990,991
GRYTDAL, IDAR OLAV 2,991,151
GU, SHIQUN 2,990,470
GUALA PACK S.P.A. 2,990,919
GUANGZHOU KUAIZI INFORMATION TECHNOLOGY CO., LTD. 2,992,118
GUANGZHOU MAGPIE PHARMACEUTICALS CO., LTD. 2,991,338
GUBBELS, ERIK 2,990,904
GUENGANT, CHRISTOPHE 2,987,678
GUERBET 2,991,331
GUERIN, SOPHIE 2,979,946
GUERRY, ALEXANDRE 2,983,368
GUEUNING, DIMITRI 2,991,158
GUHA, ASHISH SHARADCHANDRA 2,991,004
GUILLONNEAU, CAROLE 2,991,077
GUINA, ANTE 2,992,104
GUJJAL, SHRIKANTH 2,992,005
GUO, MINGFENG 2,991,539
GUPTA, AMITAVA 2,989,165
GUPTE, PARAG A. 2,991,290
GURTLER, MARKUS 2,991,333
GUSTAFSON, JOHN G. 2,989,811
GUTBROD, OLIVER 2,991,261
GUYNN, JOHN M. 2,991,699
GUYOT, VINCENT 2,981,909
GUZOV, VICTOR M. 2,992,295
GYLDENLOV, STEEN 2,991,257
HA, HENGXU 2,988,454
HAAS, JEFF A. 2,992,295
HABEB, RAWAA 2,989,967
HAEMOSTATIX LIMITED 2,983,798
HAGERMAN, BO 2,991,885
HAI, DU 2,992,094
HAINSWORTH, JOHN 2,991,138
HALILOVIC, ENSAR 2,991,276
HALLIBURTON ENERGY SERVICES, INC. 2,988,268
HALLIBURTON ENERGY SERVICES, INC. 2,991,031
HALLIBURTON ENERGY SERVICES, INC. 2,991,330
HALLIBURTON ENERGY SERVICES, INC. 2,991,573
HALLIN, PETER F. 2,991,114

HALLSTROM, KEVIN A. 2,972,831
HAMLIN, FRED WILLIAM 2,991,138
HAMMER, JOE K. 2,991,307
HAMMER, JOE K. 2,991,312
HAMMER, MARKUS 2,990,995
HANAMANNAVAR, BRAMHANAND 2,991,691
HANSEN, ANDREW S. 2,991,699
HANSEN, JACOB 2,991,924
HANSEN, JAN 2,981,477
HANSEN, MELF 2,982,701
HANSON, HERBERT KENNETH, III 2,991,143
HANSON, HERBERT KENNETH, III 2,991,145
HARNISCHFEGER TECHNOLOGIES, INC. 2,990,968
HARRIS, CHRISTOPHER A. 2,985,176
HARSCO TECHNOLOGIES LLC 2,991,807
HARSCO TECHNOLOGIES LLC 2,991,808
HARVEY, PHILLIP CHRISTOPHER 2,992,060
HASENOHRL, ULRICH 2,983,761
HASHISH, MOHAMED A. 2,992,030
HASSAN, ISAAC SAMUEL 2,992,075
HATSELL, SARAH J. 2,984,249
HATTORI, SATOMI 2,991,696
HATTORI, SATOMI 2,991,858
HAUGHT, JOHN CHRISTIAN 2,983,629
HAWKINS, MARK C. 2,991,647
HAYASHI, AKIHIRO 2,991,695
HAYASHIZAKA, NORIYUKI 2,991,696
HAYASHIZAKA, NORIYUKI 2,991,858
HAYES, JOEL 2,991,415
HAYWARD, MATTHEW MERRILL 2,984,183
HEARN, ARRON 2,992,116
HEDLUND, ROGER 2,990,879
HEE SOLAR, L.L.C. 2,991,887
HEIDELBERGCEMENT AG 2,991,148
HEINEMANN, INES 2,990,981
HEINEMANN, INES 2,990,985
HEINRICH, DWIGHT 2,991,747
HEITMEIER, STEFAN 2,990,901
HEKMATARA, TELLI 2,991,084
HELLMUTH, OLIVER 2,987,702
HELLWEGE, ELKE 2,991,261
HENKEL AG & CO. KGAA 2,991,599
HENKEL IP & HOLDING GMBH 2,991,599
HENKEL IP & HOLDING GMBH 2,991,747
HENTZELT, RICHARD 2,991,977
HENZLER, DAVID 2,991,719
HEO, HYE JIN 2,984,119
HEQUILY, LAURENT 2,991,727
HERBACH, JOSHUA SETH 2,990,016
HERBST, DANIELA 2,991,114
HERGET, WERNER 2,986,618
HERMAN, BRUCE 2,991,635
HERMAN, MEGAN 2,951,257
HERON ENERGY PTE. LTD 2,992,104
HERRMANN, INES 2,991,278
HERT, JEROME 2,991,612
HERT, JEROME 2,991,615
HEWETT, CARL GORDON 2,991,300
HEYBORNE, RUSSELL D. 2,991,425
HIETANIEMI, MATTI 2,990,318
HILL, CHRISTOPHER 2,991,416
HILLEBRAND, STEFAN 2,991,436
HILLISCH, ALEXANDER 2,990,901
HINES, ANDREW T. 2,991,706
HINES, ANDREW T. 2,991,709
HINES, JACQUELINE H. 2,991,706
HINES, JACQUELINE H. 2,991,709
HINNER, MARLON 2,991,298
HIREL, BERTRAND 2,991,377
HITCHCOCK, DANIEL WADE 2,991,067
HMGEB HOLDING B.V. 2,984,064
HO, RAIMUNDO 2,991,315
HOFFMANN, PATRICK 2,991,278
HOHNHOLZ, DIETER 2,990,976
HOKUETSU KISHU PAPER CO., LTD. 2,992,253
HOLBROOK, BILLY-PAUL M. 2,991,704
HOLGATE, ROBERT GEORGE EDWARD 2,992,116
HOLLINGER, HERBERT ALAN 2,991,630
HOLLOSI, BRENT M. 2,991,899
HOLSCHER, HOLGER 2,988,467
HOMAN, JEFFREY J. 2,991,704
HOMAN, REYNOLD 2,991,655
HOMMA, MASATOSHI 2,992,023
HONDA, DAISUKE 2,992,254
HONDA, DAISUKE 2,992,256
HONDA, DAISUKE 2,992,265
HONG, SUNG JUN 2,983,738
HORI, FUJIO 2,992,022
HORIZON ORPHAN LLC 2,991,099
HORTIG, MICHAEL 2,981,477
HORTIG, MICHAEL 2,981,479
HOTTOVY, TRACY RAY 2,991,557
HOWARD, JAMES J. 2,992,290
HOYING, JAMES B. 2,991,297
HOYT MEDICAL LLC 2,991,746
HREN, WILLIAM J. 2,990,968
HSIAO, JANE H. 2,991,898
HUAI, QING 2,992,295
HUANG, HAILIN 2,991,539
HUANG, JINTAI 2,992,113
HUAWEI TECHNOLOGIES CO., LTD. 2,992,112
HUBBLE, MARK ROBERT 2,992,018
HUESTIS MACHINE CORPORATION 2,992,012
HUGERT, SVERKER 2,991,250
HUGGINS, THOMAS GLENN 2,983,629
HUGHES NETWORK SYSTEMS, LLC 2,991,890
HUHN, TILO 2,991,343
HUHN, TILO 2,991,430
HULSMEYER, MARTIN 2,991,298
HUMPHREYS, DAVID PAUL 2,991,363
HUNT, BENJAMIN 2,992,275
HUNT, HAZEL 2,984,623
HUNTER, WILLIAM L. 2,992,263
HUNTINGTON, RICHARD A. 2,991,290
HUNZIKER, DANIEL 2,991,612
HUNZIKER, DANIEL 2,991,615
HURLEY, WILLIAM CARL 2,991,027
HUSKY INJECTION MOLDING SYSTEMS LTD. 2,992,020
HUSSAIN, ABRAHIM 2,991,634
HUTTON, BLAIR 2,989,953
HUTTON, BLAIR 2,989,954
HUTTON, BLAIR 2,990,066
IACOPETTI, LUCIANO 2,991,272
IANNACCI, ROCCO 2,988,372
IDEAL LIVING VENTURES LIMITED 2,991,380
IDONE, VINCENT J. 2,984,249
IDORSIA PHARMACEUTICALS LTD 2,991,281
IHI CORPORATION 2,992,083
ILG, KERSTIN 2,991,261
ILLINOIS TOOL WORKS INC. 2,991,030
ILLINOIS TOOL WORKS INC. 2,991,065
ILLINOIS TOOL WORKS INC. 2,991,066
IMEC VZW 2,991,087
IMFLUX INC. 2,991,143
IMFLUX INC. 2,991,145
IMIG, JOHN DAVID 2,991,161
IMMUNEXT, INC. 2,992,116
IMMUNOGEN, INC. 2,991,305
IMMUNOGEN, INC. 2,991,326
IMMUNOMET THERAPEUTICS INC. 2,984,119
INDUSTRIAL EDUCATION COOPERATION ORGANIZATION, DAEGU HEALTH COLLEGE 2,992,100
INDUSTRIE DE NORA S.P.A. 2,991,272
INDUSTRIES AGRIGESCO INC. 2,992,305
INFIANA GERMANY GMBH & CO. KG 2,991,347
INGENICO GROUP 2,990,986
INGEVITY SOUTH CAROLINA, LLC 2,991,704
INGRAM, KATHARINE MARY 2,983,759
INHIBRX LP 2,991,634
INNOVA PATENT GMBH 2,991,370
INNOVA PATENT GMBH 2,991,371
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 2,991,077
INSPHERO AG 2,990,994
INSTITUT CATALA D'ESPECIALITATS ODONTOLOGIQUES, S.L. 2,991,119
INSTITUT GUSTAVE ROUSSY 2,990,893
INSTITUT NATIONAL D'ETUDES SUPERIEURES AGRONOMIQUES DE MONTPELLIER (MONTPELLIER SUP AGRO) 2,983,665

INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE 2,983,665
INSTREAM ENERGY SYSTEMS CORP. 2,992,126
INTEGRATED SURGICAL LLC 2,992,081
INTEGRATED SURGICAL LLC 2,992,090
INTEGRATED SURGICAL LLC 2,992,164
INTELLIGENT BIO-SYSTEMS, INC. 2,992,286
INTERACTIVE INTELLIGENCE GROUP, INC. 2,991,913
INTREPID VISIONS INC. 2,992,105
INVENTIO AG 2,986,495
INVENTIO AG 2,987,507
IONIS PHARMACEUTICALS, INC. 2,991,894
IORIO, PAUL ANTHONY 2,991,147
IPP INDUSTRIES SARL 2,991,163
IRELAND, KELLEY DAVID 2,990,928
IRITSUKI, KEITA 2,992,009
IRWIN, MICHAEL D. 2,991,887
ISHIDA, TAKAHIRO 2,991,696
ISHIDA, TAKAHIRO 2,991,858
ISHII, TOSHIHIKO 2,992,238
ISHIKAWA, YOSHIHIRO 2,992,023
ISHIZAKI, MASATO 2,992,083
ISOGAI, AKIRA 2,992,253
ISOLA, SCOTT 2,992,055
ISOLYNX, LLC 2,991,630
ITACONIX CORPORATION 2,985,805
ITUL, ANCA 2,991,148
IVAN, ABRAMO 2,990,887
IVAN, ABRAMO 2,990,890
IVASHUTA, SERGEY 2,992,295
IVERSON, BRIAN 2,991,743
IZUMI, TAKAO 2,992,009
JACKS, THOMAS ELLIOT 2,991,726
JACKSON, JAMES 2,992,081
JACKSON, JAMES 2,992,090
JACKSON, JAMES 2,992,164
JACOBS, PAUL 2,990,984
JACOBSEN, ALAN 2,991,590
JADHAV, AMAR RAJENDRA 2,992,005
JAIPURI, FIROZ 2,992,016
JAMAS, SPIROS 2,991,170
JANSSEN PHARMACEUTICA NV 2,986,477
JANSSEN PHARMACEUTICA NV 2,989,953
JANSSEN PHARMACEUTICA NV 2,989,954
JANSSEN PHARMACEUTICA NV 2,990,066
JANSSEN SCIENCES IRELAND UC 2,983,659
JANSSEN VACCINES & PREVENTION B.V. 2,991,002
JAUNIAUX, ERIC 2,991,358
JAYANTH, JAYANTHY 2,991,315
JENSEN, KRISTIAN 2,991,298
JEONG, HONG-SIL 2,988,073
JESCHKE, PETER 2,991,261
JFE STEEL CORPORATION 2,992,092
JGC CORPORATION 2,991,985
JIAN, CHILI 2,991,650
JIANG, BO 2,985,805
JIANG, RONGRONG 2,992,258
JIMENEZ NUNEZ, ELOISA 2,990,901
JOHANN WOLFGANG GOETHE-UNIVERSITAET FRANKFURT 2,991,161
JOHANSSON, JESPER MIKAEL 2,991,067
JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED 2,984,378
JOHNSON, ANN F. 2,990,871
JOINT STOCK COMPANY "CENTRAL DESIGN BUREAU OF MACHINE BUILDING" 2,991,118
JOINT STOCK COMPANY "SCIENCE AND INNOVATIONS" ("SCIENCE AND INNOVATIONS", JSC) 2,991,118
JONES, ALAN 2,991,719
JONES, CHRIS 2,991,031
JONES, KYLE S. 2,991,634
JONES, RICHARD THOMAS 2,991,528
JONTE, PATRICK B. 2,992,280
JOO, SANG HYUN 2,987,916
JOSHI, SHRADDHA SANJEEV 2,991,004
JOUANNIC, JEAN-MARIE 2,991,358
JOY MM DELAWARE, INC. 2,991,742
JUAREZ SALAS, FRANCISCO JOSE 2,991,546
JUKA INNOVATIONS CORPORATION 2,991,893
JULIO, GUIFRE 2,991,929
JUNG, HEON 2,983,738
JUNGHANS, RICHARD 2,992,122
JUNGWIRTH, DOUGLAS R. 2,990,047
JUNK, KENNETH WILLIAM 2,990,949
KABUSHIKI KAISHA TOYOTA JIDOSHOKKI 2,992,022
KAINO, MIE 2,991,697
KAINO, MIE 2,992,024
KAKKAR, RAHUL 2,991,637
KALSI, KARANJIT 2,991,924
KAMEYAMA, NAOYA 2,992,262
KAMIJO, MOTOHISA 2,991,562
KAMIYA, RYUTA 2,992,022
KAMIYAMA, FUMIO 2,992,258
KANG, YEONG HAN 2,992,100
KANKARIA, MANISH 2,992,272
KAPOOR, ALOK 2,991,561
KAPOOR, PUNEET 2,991,561
KARAS, ANDREAS JOHANNIS 2,990,961
KARJUNEN, TIMO 2,991,848
KARNEGIE, SERGE 2,991,893
KATZ, STEVEN C. 2,992,122
KAWASAKI, KAZUNORI 2,991,696
KAWASAKI, KAZUNORI 2,991,858
KAZANTSEV, RODION PETROVICH 2,991,118
KCI LICENSING, INC. 2,991,403
KEARNS, JEFFREY D. 2,983,890
KEIL, BIRGIT 2,990,983
KEIRYO PACKAGING SA 2,991,579
KELLER, ANDREAS 2,990,894
KELLER, ANDREAS 2,990,908
KELLER, ANDREAS 2,991,085
KELLER, ANDREAS 2,991,673
KELLER, ROBERT ROY, JR. 2,991,042
KELLS, JOHN ALAN 2,992,104
KELLY, KENNETH WADE 2,992,275
KELLY, KEVIN 2,982,770
KELM, JENS 2,990,994
KEMIRA OYJ 2,990,318
KEMIRA OYJ 2,991,153
KEMP, MELISSA 2,992,295
KEMPER, JOSEPH JAY 2,991,414
KENNY, ANDREW OLIVER 2,984,255
KENWORTHY, MICHAEL THOMAS 2,991,410
KENWORTHY, MICHAEL THOMAS 2,991,439
KEPPLINGER, DIETMAR 2,990,888
KEPPLINGER, SARA 2,990,888
KERANEN, KENNETH BRIAN 2,991,051
KERO, MATTHEW PAUL 2,991,051
KESSEBOHMER PRODUKTIONS GMBH & CO. KG 2,982,701
KETER PLASTIC LTD. 2,984,728
KETER PLASTIC LTD. 2,992,223
KHAN, MD ABDUL HYE 2,991,161
KHAYRALLAH, ALI S. 2,991,885
KIBRIA, MD GOLAM 2,992,052
KICK, DEAN W. 2,991,043
KIEFFEL, YANNICK 2,988,203
KIILUNEN, ERIK JOHN 2,991,051
KILMER, RAYMOND J. 2,991,618
KIM, CHAN SOO 2,983,425
KIM, DONG WOOK 2,990,470
KIM, GYUN HWAN 2,991,406
KIM, HONG WOO 2,984,119
KIM, HYEONG WOO 2,991,406
KIM, HYUNG WOO 2,991,406
KIM, JONG-HWAN 2,988,073
KIM, SANG-HYO 2,988,073
KIM, SE HWAN 2,987,916
KIM, SUNG WUK 2,984,119
KIMBALL, IAN 2,991,440
KINDLER, PASCALE 2,979,946
KING'S COLLEGE LONDON 2,984,957
KINSMAN, BLAIR 2,991,497
KIRSCHENMAN, MARK B. 2,991,030
KITZMILLER, BROOKE D. 2,992,140
KLEIN, ANDREAS 2,983,703
KLIER, JOHN 2,990,867
KNIGHT, DAVID EDWARD ORMONDE 2,991,264
KNIGHT, DAVID EDWARD ORMONDE 2,991,451
KNIGHT, STEVEN ROBERT 2,990,612
KNOEBEL, ALICE 2,991,497
KNOOP, FRANK 2,981,217
KOBAYASHI, AKIO 2,992,092
KOBIKI, AKIRA 2,992,083
KOCH, ANDREAS 2,990,991

KOHN, ARNIM	2,990,981
KOHN, ARNIM	2,990,983
KOHN, ARNIM	2,990,985
KOHN, DONALD B.	2,990,963
KOKONASKI, WILLIAM	2,989,165
KOKOSZKA, MAREK	2,985,176
KOMATSU, GAKUSHI	2,991,874
KOMEILI, MOJTABA	2,992,105
KONG, YIFEI	2,992,295
KONINKLIJKE PHILPS N.V.	2,990,982
KONINKLIJKE PHILPS N.V.	2,991,252
KOOK, JI AE	2,984,119
KOON, KENDALL	2,991,808
KOONCE, WILLIAM A.	2,990,867
KOPPEL, ALEXANDER	2,991,333
KOREA INSTITUTE OF ENERGY RESEARCH	2,983,738
KORTYLEWSKI, MARCIN TOMASZ	2,991,052
KOSKA, MARC ANDREW	2,991,186
KOSKA, MARC ANDREW	2,991,219
KOSKA, MARC ANDREW	2,991,221
KOTCHAPAW, LANDON	2,991,927
KOZIOL, MICHAEL	2,991,783
KRAMER, VANCE CARY	2,991,295
KRELL, PETER J.	2,991,925
KREMERS, STEPHAN	2,988,207
KREMZA, INNA	2,984,122
KRETSCHMER, MANUEL	2,990,991
KRISHNAMACHARYA, SRI	2,991,136
KRISHNAN, RAMKUMAR	2,991,415
KRUIP, JOCHEN	2,991,298
KRULEVITCH, PETER	2,989,953
KRULEVITCH, PETER	2,989,954
KRULEVITCH, PETER A.	2,990,066
KUBAT, FRANZ	2,983,774
KUBOTA, YUKO	2,991,697
KUBOTA, YUKO	2,992,024
KUFER, PETER	2,991,278
KUKAWKA, ANDRES	2,992,075
KULAK, NILS A.	2,990,895
KULKARNI, SUDHIR S.	2,990,878
KUMAR, SANATH V.	2,972,831
KUMAR, SANJEEV	2,992,016
KUTZ OTTING, KRISTA	2,991,141
KUZ'MIN, ALEKSEY MIKHAYLOVICH	2,991,118
KWON, SOON MU	2,992,100
KYOWA HAKKO KIRIN CO., LTD.	2,992,238
KYOWA HAKKO KIRIN CO., LTD.	2,992,262
L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	2,990,878
LACHIA, MATHILDE DENISE	2,984,714
LAFONT, RENE	2,984,405
LAGUERRE, AUDREY	2,991,431
LAGUNAR HERRANZ, JOSE	2,990,550
LAHAYE, JASON	2,985,176
LAHOUTTE, TONY	2,991,398
LAIB, DOUGLAS	2,951,257
LAMBLE, RALPH	2,991,138
LANAU, SEBASTIEN	2,991,599
LANG, DIETER	2,990,901
LANGE, CHRISTIAN	2,991,298
LANGEDIJK, JOHANNES	2,991,002
LANGLEY, JUSTIN	2,975,099
LANKENAU INSTITUTE FOR MEDICAL RESEARCH	2,992,145
LAPIDOTH, GIDEON	2,989,383
LARMOUR-SHIP, KEREN	2,990,560
LAROSE, PASCAL	2,991,929
LAROUCHE, FREDERIC	2,992,303
LARSEN, ROY HARTVIG	2,991,080
LARSON, DALE	2,991,951
LARSSON, JOHAN	2,990,003
LASSERRE, SEBASTIEN	2,990,988
LATWESEN, ANNIETTE LYNN	2,990,949
LAURY-KLEINTOP, LISA	2,992,145
LE BELLER, DOMINIQUE	2,990,996
LE CAM, FLORENT	2,991,379
LE FEUVRE, JEAN	2,988,476
LE, JIAMIN	2,990,069
LEE, HO TAE	2,983,738
LEE, HONG BUM	2,984,119
LEE, HYUN-JAE	2,988,073
LEE, JAE SIK	2,990,470
LEE, JI SUN	2,984,119
LEE, MOO YOUNG	2,990,968
LEE, YOUNG WOO	2,984,119
LEEFLANG, ELISABETH JACQUES	2,992,090
LEEFLANG, ELISABETH JACQUES	2,992,164
LEGRAND, SACHA	2,990,318
LEIA INC.	2,990,591
LELEANNEC, FABRICE	2,990,988
LENEHAN, PETER F.	2,991,235
LEON-GUARENA, ARMANDO	2,988,444
LEONARDS, ADAM	2,991,584
LEONELLI, JEAN-BAPTISTE	2,984,106
LEONETTI, JEAN-PAUL	2,990,996
LEPEZ, OLIVIER	2,985,016
LERNER, ODED	2,990,560
LETONJE, JURIJ	2,991,089
LEUCHTENBERG, CHRISTIAN	2,990,333
LEVASSEUR, PREMAVATHY	2,990,996
LEWIS, DAVID L.	2,991,639
LEWIS, SCOTT	2,991,138
LI, DI	2,991,518
LI, FUMING B.	2,991,197
LI, FUMING B.	2,991,412
LI, FUMING B.	2,991,418
LI, QINGHUA	2,991,902
LI, SHAOHUI	2,992,118
LI, TIANSEN	2,991,750
LI, YUEJIN	2,991,061
LIAN, JIANMING	2,991,924
LIAN, XUEGUO	2,992,112
LIANG, SIDNEY XI	2,984,183
LIBERTINE, LYN	2,991,598
LICHTENBERG, JAN	2,990,994
LIEBETRAU, JUDITH	2,990,888
LIFCHITS, ALEXANDRE	2,991,977
LIGHT COMPOSITES LLC	2,991,590
LILLY, BRIAN RUSSELL	2,992,275
LIM, BERNARD	2,991,918
LIM, SOOI KIM	2,991,245
LIN, CHIH-WEI	2,991,417
LIN, SKY CHIH HSIANG (DECEASED)	2,991,150
LINDBLAD, AMY ANN	2,991,405
LING, KENNETH	2,983,759
LINSTROTH, MICHAEL J.	2,990,968
LISHCHYNSKYI, ANTON	2,991,261
LIU, DAVID	2,991,984
LIU, JESSICA	2,991,226
LIU, WEI	2,991,417
LIVENS, STEFAN	2,991,365
LLAMAS COMPANY, INMACULADA	2,991,678
LOCKE, CHRISTOPHER, BRIAN	2,991,403
LOCKE, TYLER	2,982 770
LOCKETT, VERA N.	2,989,811
LOCKHEED MARTIN CORPORATION	2,991,636
LOEBEL, ARNE	2,991,269
LOHMANN, JAN KLAAS	2,990,991
LOMAS, ADAM	2,991,226
LONG, JUSTIN ALEXANDER	2,992,288
LONG, JUSTIN, ALEXANDER	2,992,288
LONGSHAW, CHRISTOPHER MARK	2,990,961
LOSEL, PETER	2,991,261
LOVELL, GARY	2,992,290
LU, CHEN	2,991,153
LUBENSKI, ZEEV	2,992,142
LUCAS-MILHAUPT, INC.	2,991,043
LUDOLPH, BRIAN S.	2,992,274
LUDWIG, MATTHIAS	2,981,477
LUDWIG, MATTHIAS	2,981,479
LUINAUD, ALAIN ROLAND	2,987,678
LUINAUD, ALAIN ROLAND	2,987,841
LUKAS-ERZETT VEREINIGTE SCHLEIF- UND FRASWERKZEUGFABRIKEN GMBH & CO. KG	2,992,056
LUMBROSO, ALEXANDRE FRANCO JEAN CAMILLE	2,984,714
LUMEN BIOSCIENCE, INC.	2,992,027
LUNDE, BRADLEY	2,991,298
LUVIZOTTO, ANDRE	2,987,702
LYES, PETER	2,992,126
M-I L.L.C.	2,991,245
M. TECHNIQUE CO., LTD.	2,992,254
M. TECHNIQUE CO., LTD.	2,992,256
M. TECHNIQUE CO., LTD.	2,992,265
MACCALLINI, VINCENZO	2,983,712
MACHINE RESEARCH CORPORATION	2,991,528
MAEHANA, TSUYOSHI	2,991,882
MAES, DIRK	2,984,365
MAES, JEF ANNIE ALFONS	2,991,302
MAES, JEF ANNIE ALFONS	2,991,306
MAGALDI POWER S.P.A.	2,991,693
MAGALDI, MARIO	2,991,693
MAGIC LEAP, INC.	2,991,642

MAGNA INTERNATIONAL INC. 2,992,005
MAGNA INTERNATIONAL INC. 2,992,138
MAGNA INTERNATIONAL INC. 2,992,296
MAGNA SEATING INC. 2,991,117
MAHONY, JAMES 2,991,918
MAINS, RONALD H. 2,991,201
MAIRET- COELLO, GEORGES 2,991,264
MAIRET-COELLO, GEORGES 2,991,451
MAKKONEN, SEPPO 2,990,909
MAKO SURGICAL CORP. 2,991,632
MAKSOUD, TARIQ 2,991,584
MALENGREZ, PASCAL 2,991,358
MALGAT, ALEXANDRE 2,992,115
MALSAM, OLGA 2,991,261
MALVAR, THOMAS M. 2,992,295
MAMI-CHOUAIB, FATHIA 2,990,893
MANAGED PRESSURE OPERATIONS PTE. LTD. 2,990,333
MANDAVID, HUGUES 2,990,996
MANDIK-NAYAK, LAURA 2,992,145
MANGETTE, STEPHEN T. 2,991,069
MANGETTE, STEPHEN T. 2,991,307
MANGETTE, STEPHEN T. 2,991,312
MANN, MATTHIAS 2,990,895
MANNA, RONALD 2,992,055
MANOLIKAR, MANDAR 2,991,004
MANOU, TAKETOSHI 2,991,694
MANSERGH, JOHN 2,991,141
MANTRI, YOGITA VINOD 2,983,629
MARA RENEWABLES CORPORATION 2,991,707
MARASCO, WAYNE A. 2,984,608
MARETTO, EMANUELE 2,991,300
MARGARYAN, ALFRED A. 2,991,986
MARGARYAN, ASHOT A. 2,991,986
MARINOVICI, LAURENTIU D. 2,991,924
MARKSON, THEODORE 2,982,770
MARSHALL, AARON 2,992,131
MARTI SEVES, RAMON 2,991,271
MARTIN, SCOTT 2,989,953
MARTIN, SCOTT 2,989,954
MARTIN, SCOTT 2,990,066
MARTINEZ CHANTAR, MARIA LUZ 2,991,911
MASEDA, LUIS 2,991,440
MASSACHUSETTS EYE & EAR INFIRMARY 2,991,750
MASSACHUSETTS EYE AND EAR INFIRMARY 2,991,921
MASSON, JEAN-LOUP 2,990,340
MASUDA, TOMOHIDE 2,991,697
MASUDA, TOMOHIDE 2,992,024
MATHEWS, CHRISTOPHER JOHN 2,983,759
MATSEKH, ARKADIY 2,992,104
MATSUO SANGYO CO., LTD. 2,991,559
MATSUO, HARUO 2,992,080
MATSUO, YUMIKO 2,991,559
MATTEI, PATRIZIO 2,991,612
MATTEI, PATRIZIO 2,991,615
MATTHYS, BRUNO JEAN-PIERRE 2,991,302
MATTHYS, BRUNO JEAN-PIERRE 2,991,306
MAURICE, PAUL 2,991,358
MAUTINO, MARIO 2,992,016
MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DE WISSENSCHAFTEN E.V. 2,990,895
MAZE, FREDERIC 2,988,476
MAZEJ, ANDREJ 2,991,089
MAZZONI, LUIGI 2,990,935
MCADAM, BRIAN 2,991,538
MCADAM, DAVID 2,991,538
MCCABE, BRIAN DEAN 2,991,528
MCCALLUM, WILLIAM JOHN 2,992,018
MCCOLLOUGH, WILLIAM WELCH 2,991,027
MCCORMICK, MARK 2,991,418
MCGAUGHRAN, SEAN 2,991,635
MCGRATH, TERESA DIANE HAYWARD 2,992,018
MCKEEVER, PAUL 2,985,165
MCLUSKY, JAMES 2,989,953
MCLUSKY, JAMES 2,989,954
MCLUSKY, JAMES 2,990,066
MCMILLAN, DAVID JAMES 2,991,451
MCNAUGHTON, MATTHEW PAUL 2,990,016
MEADE, DAVID 2,991,742
MEDIMMUNE LIMITED 2,991,637
MEDINA, JUAN CARLOS 2,990,867
MEDINA, JUAN CARLOS 2,990,871
MEDREGEN, LLC 2,992,299
MEERSSEMAN, GEERT 2,991,265
MEERSSEMAN, GEERT 2,991,267
MEGURO, HIROYUKI 2,991,697
MEGURO, HIROYUKI 2,992,024
MEHRABI, M. REZA 2,991,300
MEHTA, NIKUNJ R. 2,992,297
MEHTA, VIMAL D. 2,991,628
MEIBOM, DANIEL 2,990,901
MEIER, KATHARINA 2,990,901
MEISELMAN, JAMES ALEXANDER 2,991,698
MELENDEZ RIVERA, ANA KAREN 2,992,111
MELLIS, JEFFREY 2,992,005
MEMMINGER, OLIVER 2,982,666
MENDEL, ITZHAK 2,991,862
MENDEL, ITZHAK 2,991,868
MENON, CARLO 2,992,105
MENON, RAJEEV M. 2,991,417
MENSCH, JURGEN 2,983,659
MENSING, SVEN 2,991,417
MERBACH, GERHARD 2,990,056
MERCHANT, COURTENAY 2,989,974
MERETTE, JEAN-SEBASTIEN 2,991,616
MERIENNE, LUDOVIC 2,991,381
MERIT MEDICAL SYSTEMS, INC. 2,991,425
MERKX-JACQUES, ALEXANDRA 2,991,707
MERLO, LAUREN M. F. 2,992,145
MERRIMACK PHARMACEUTICALS, INC. 2,983,890
MEURIS, LEANDER 2,991,368
MI, ZETIAN 2,992,052
MIDDELAER, WILLIAM S. 2,991,416
MIDDLESWORTH, JEFFREY ALAN 2,992,140
MIE, MOTOYA 2,992,238
MIGLARESE, MARK 2,991,045
MILLER, BRIAN 2,990,885
MILLER, MICHAEL LOUIS 2,991,305
MILLER, MICHAEL LOUIS 2,991,326
MILLER, ROSS ALLEN 2,991,726
MILLWARD, DOUGLAS R. 2,991,410
MILLWARD, DOUGLAS R. 2,991,439
MINSKOFF, NOAH MARK 2,992,081
MINSKOFF, NOAH MARK 2,992,090
MINSKOFF, NOAH MARK 2,992,164
MIRACLE, GREGORY SCOT 2,991,302
MIRACLE, GREGORY SCOT 2,991,306
MISONIX, INCORPORATED 2,992,055
MISONIX, INCORPORATED 2,992,121
MITCHELL, GLYNN 2,983,759
MITSUBISHI ELECTRIC CORPORATION 2,992,120
MIYAGI, TAKASHI 2,991,565
MIYAZAKI, TOMOYUKI 2,991,694
MODULAR MINING SYSTEMS, INC. 2,992,260
MOHLMANN, GERALD 2,988,467
MOJANA, CORRADO 2,991,272
MOLINA VILA, MIGUEL ANGEL 2,984,722
MOLLER, BURKHARDT 2,986,653
MONASH UNIVERSITY 2,984,949
MONRAD, RUNE N. 2,991,114
MONSANTO TECHNOLOGY LLC 2,992,084
MONSANTO TECHNOLOGY LLC 2,992,113
MONSANTO TECHNOLOGY LLC 2,992,129
MONSANTO TECHNOLOGY LLC 2,992,295
MONTIEL, DANIEL 2,991,122
MOONEY, JUSTIN LANCE 2,992,098
MOORE, MICHAEL T. 2,991,022
MOORE, STEVEN 2,992,283
MORAITIS, ANDREAS G. 2,984,623
MORAN PUENTE, DIANA WESTFALIA 2,990,904
MOREAU-BELANGER, LAURENCE 2,991,518
MOREIRA, DAYSON FRIACA 2,991,052
MORI, TAKUYA 2,991,694
MORITZ, WOLFGANG 2,990,994
MORIYAMA, HIROTAKE 2,991,695
MORRA, MATTHEW J. 2,991,140
MORRIS, DANIEL LAWRENCE 2,991,630
MORRIS, JAMES ALAN 2,983,759
MOTLAGH, SAFA 2,991,414
MOUREZ, MICHAEL 2,991,298

MROWKA, JAMES J. 2,991,809
MUELLER, BERND 2,990,991
MUENZ, MARKUS 2,991,278
MUHLFELLNER, HELMUT 2,983,761
MUISE, DENISE 2,991,707
MUKHERJEE, SAMRAT 2,991,315
MULLER, MANFRED 2,990,886
MURAKAMI, TSUTOMU 2,992,083
MURAOKA, TOMOHIDE 2,991,985
MURPHY, LEIGH 2,991,114
MUSSMANN, NINA 2,991,114
NADEN, MARK 2,991,415
NAGATANI, MUNEHIKO 2,991,865
NAGY, EVA 2,991,925
NAKAMURA, NAOMICHI 2,992,092
NALLY, DEBORAH 2,991,713
NARDELLA, FRANCIS A. 2,992,143
NASSIF, RABIH 2,991,903
NATANIEL, TINA 2,991,747
NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE & TECHNOLOGY 2,991,858
NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY 2,991,696
NCM INNOVATIONS (PTY) LTD 2,989,944
NDUNGU, GEOFFREY 2,984,504
NEMOTO, JUNJI 2,992,253
NERING, RACHEL, C. 2,983,890
NESTEC S.A. 2,991,262
NESTEC S.A. 2,991,375
NEUBAUER, MARTIN 2,992,101
NEUHAUS, ROLAND 2,991,360
NEUHOFER JUN., FRANZ 2,991,648
NEUVOKAS CORPORATION 2,991,051
NEWLINK GENETICS CORPORATION 2,992,016
NEWMAN, GARY 2,991,504
NEWMAN, JOHN M. 2,991,618
NG, CHONG HWA 2,985,165
NGUYEN, CONG MINH 2,991,397
NI, MELVIN S. 2,987,385
NICHOLS, BEN 2,983,798
NICKEL, AXEL 2,991,374
NIEHUES, DANIEL 2,990,995
NIELSEN, ERIK C. 2,972,937
NIERLE, JENS 2,991,255
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,991,565
NIPPON TELEGRAPH AND TELEPHONE CORPORATION 2,991,865
NISHIMURA, RYUICHI 2,991,565
NISHIMURA, YUTAKA 2,991,697
NISHIO, YUKIHIRO 2,991,697
NISHIO, YUKIHIRO 2,992,024
NISSAN MOTOR CO., LTD. 2,991,234
NISSAN MOTOR CO., LTD. 2,991,379
NISSAN MOTOR CO., LTD. 2,991,381
NISSAN MOTOR CO., LTD. 2,991,562
NISSAN MOTOR CO., LTD. 2,991,874
NISSAN MOTOR CO., LTD. 2,992,006
NISSAN MOTOR CO., LTD. 2,992,009
NISSAN MOTOR CO., LTD. 2,992,080
NISSHINBO CHEMICAL INC. 2,992,232
NKT HV CABLES GMBH 2,988,444
NODA, KAZUYUKI 2,992,023
NOGA, SANDRA 2,990,992
NOLL, WERNER 2,990,069
NONOMURA, HIROYUKI 2,992,120
NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG 2,990,876
NORN, CHRISTOFFER 2,989,383
NORTHROP GRUMMAN SYSTEMS CORPORATION 2,991,134
NOSAKA, HIDEYUKI 2,991,865
NOUI-MEHIDI, MOHAMED N. 2,987,408
NOVACEL 2,990,340
NOVARTIS AG 2,990,886
NOVARTIS AG 2,991,276
NOVOMER, INC. 2,991,204
NOVOTNY, PETER 2,991,758
NOVOZYMES A/S 2,991,114
NP MEDICAL INC. 2,991,440
NULOGY CORPORATION 2,991,226
NYE, HOYT 2,991,746
NYUU, KEISUKE 2,991,694
O'CONNELL, GRANT 2,992,139
O'CONNELL, TIMOTHY 2,991,114
O'NEILL, HEATHER 2,991,045
OBERG, OLIVER T. 2,991,134
ODC LIZENZ AG 2,991,343
ODC LIZENZ AG 2,991,430
ODERMATT, DANIEL 2,991,632
OFFSHORE RENEWABLE ENERGY CATAPULT 2,985,165
OGAWA, SHINYA 2,992,262
OKADA, KAZUKI 2,992,262
OKI, TAKAHIKO 2,992,080
OKIMURA, KEIICHI 2,991,697
OKIMURA, KEIICHI 2,992,024
OLEJNIK, JERZY 2,992,286
OLENIK, BRITTA 2,990,983
OLLER PARDOS, VICTOR 2,991,119
OLSEN, BYRON V. 2,992,295
OLSEN, GREG 2,992,297
OLSEN, HENRIK 2,991,254
ONCOINVENT AS 2,991,080
OOYA, TOORU 2,992,258
OPHTALMIS MONACO 2,985,013
OPKO HEALTH, INC. 2,991,898
ORITA, NOBUTOSHI 2,990,993
ORMCO CORPORATION 2,991,300
ORTHOSOFT INC. 2,991,518
OSBURN, SCOTT H. 2,992,093
OTITOPIC INC. 2,991,760
OTORIZE LTD. 2,992,075
OUATTARA, ISSA 2,989,250
OUEDRAOGO, NAEL 2,988,476
OUELLET, YVES 2,992,313
OVADYA, DANIEL 2,992,129
OVERGAARD, METTE L.D. 2,991,114
OWENS-BROCKWAY GLASS CONTAINER INC. 2,951,257
PAAP, MARK TRACY 2,991,027
PACHTER, JONATHAN A. 2,991,044
PACKERS PLUS ENERGY SERVICES INC. 2,990,928
PAGANO, ROBERTO 2,991,272
PAHLEVAN, NIEMA 2,991,057
PALMEN, LORENA G. 2,991,114
PAN, XIANCAI 2,992,117
PANANDIKER, RAJAN KESHAV 2,991,414
PANCHAUD, PHILIPPE 2,991,281
PANKNIN, OLAF 2,991,360
PARADIS, FRANCOIS 2,991,518
PARALLEL WIRELESS, INC. 2,992,142
PARASKOS, GEORGE A. 2,991,135
PAREDES, RAUL M. 2,951,257
PARK, CLEMENS 2,991,226
PARK, JI CHAN 2,983,738
PARKER, ZACHARY 2,991,647
PARKER-HANNIFIN CORPORATION 2,990,612
PARNASTE, MARTIN 2,990,003
PASSLER, RENE 2,991,371
PASTORINO, PAOLO ETTORE 2,989,944
PATEL, DINESH V. 2,991,984
PATEL, HIMANSHU N. 2,992,272
PATEL, MIHIR 2,992,155
PAUL, WYATT 2,991,364
PAVCO, PAMELA A. 2,991,598
PAVKOV, RICHARD 2,990,886
PAWLAK, JOHN ANDREW, II 2,991,049
PAWLYK, BASIL 2,991,750
PBI PERFORMANCE PRODUCTS, INC. 2,991,137
PEAKMAN, MARK 2,984,957
PEARL THERAPEUTICS, INC. 2,991,138
PEDERSEN, MICHAEL 2,991,380
PEDRETTI, ETHAN J. 2,990,968
PEGASUS S.R.L. 2,991,395
PEI, YANLONG 2,991,925
PELLETIER, BENOIT 2,991,518
PEPTINOVO BIOPHARMA, LLC 2,991,655
PEREIRA, VITOR LOPES 2,991,573
PEREZ, PASCUAL 2,991,377
PERKINS, GEORGE MCGEE 2,991,138
PETERS, SHIRLEY JANE 2,991,363
PETERSEN, ERIK JIMMY WOLF 2,991,257
PETERSEN, JOEL MIKAEL 2,992,060
PETERSON, KATHERINE E. 2,991,315
PETROFAC SERVICES LTD. 2,991,356
PETROV, DIMITAR MIHAYLOV 2,991,352
PETTITT, JAMES E. 2,990,833
PFIZER INC. 2,984,183
PFIZER INC. 2,990,885
PHILIP MORRIS PRODUCTS S.A. 2,991,950
PHILIP MORRIS PRODUCTS S.A. 2,992,115
PHILIPPSEN, AARON OLAFUR LAURENCE 2,992,090

PHILIPPSEN, AARON OLAFUR LAURENCE 2,992,164
PHILLIPS, ROGER WINSTON 2,992,060
PHILLIPS, TIMOTHY 2,991,099
PICCOLO, BRIAN 2,990,333
PICHLER, GARWIN 2,990,895
PICHOL, HEINO 2,988,467
PICHOT, HERVE 2,992,275
PICOT, SYLVAIN 2,981,909
PIECHA, CHRISTOPH 2,990,976
PIEPENBRINK, MARKUS 2,991,075
PIERRE, FRITZ 2,991,290
PINKSTONE, HENRY 2,990,333
PIVOT BIO, INC. 2,991,776
PLANET LABS, INC. 2,988,110
PLANK, CHRISTIAN 2,990,883
PLANTE, JEAN-SEBASTIEN 2,991,929
PLEGGE, RICHARD WAYNE 2,991,783
PLENTIS, DAVID N. 2,992,296
PLUM, LORI A. 2,991,260
PME IP PTY. LTD. 2,991,378
PODSADECKI, THOMAS J. 2,991,417
POGOTEC, INC. 2,989,165
POLDEN, ROBIN 2,991,945
POLESEL MARIS, JEROME 2,991,292
POLLARD, RICK ALAN 2,991,143
POLLARD, RICK ALAN 2,991,145
POPOVA, INNA E. 2,991,140
PORTER, AIDAN JAMES 2,991,573
PORTZ, DANIELA 2,991,261
POSEIDA THERAPEUTICS, INC. 2,991,101
POSEIDA THERAPEUTICS, INC. 2,991,109
POTTURI, HIMA 2,992,016
POULSEN, SHILOH D. 2,991,120
POURDEHNAD, MICHAEL 2,991,164
POWER TECH STAPLE AND NAIL, INC. 2,992,292
POZNANSKY, MARK C. 2,983,758
PRAKASH, ANAND 2,988,268
PRATT, JERROLD ARTHUR 2,991,405
PRECISION PLANTING LLC 2,991,720
PRECISION PLANTING LLC 2,992,124
PRENDERGAST, GEORGE C. 2,992,145
PRIHA, MIKA 2,990,909
PRINTED ENERGY PTY LTD 2,989,811
PRITCHARD, PETER NICHOLAS 2,992,297
PROJECTS INTERNATIONAL 2,988,372
PRONOVA BIOPHARMA NORGE AS 2,990,140
PROPHETA-MEIRAN, OSHRAT 2,991,862
PROPHETA-MEIRAN, OSHRAT 2,991,868
PROSCHAK, EUGEN 2,991,161
PROSPECT CHARTERCARE RWMC, LLC D/B/A ROGER WILLIAMS MEDICAL CENTER 2,992,122
PROTAGONIST THERAPEUTICS, INC. 2,991,984
PRYSMIAN S.P.A. 2,986,474
PSZOLLA, MARIA GABRIELE 2,989,383
PULIKANTI, SRIDHAR 2,990,125
PURTON, WILLIAM WESTMORE 2,991,795
QBO COFFEE GMBH 2,991,165
QI, YOULIN 2,992,113
QIAGEN INSTRUMENTS AG 2,992,286
QIN, FENG 2,991,137
QINTERRA TECHNOLOGIES AS 2,991,012
QU, TAO 2,992,112
QUALCOMM INCORPORATED 2,990,195
QUALCOMM INCORPORATED 2,990,426
QUALCOMM INCORPORATED 2,990,470
QUAN, YING-SHU 2,992,258
QUAY, STEVEN C. 2,992,282
QUESADA ARROQUIA, EMILIA 2,991,678
QUIGLEY, BENITA ANN 2,992,316
QUINCHIA-BUSTAMENTE, LIDA A. 2,991,084
RABINNE, BRUCE 2,992,275
RACHED, WISSAM 2,979,946
RADTKE, IAN 2,992,124
RAGHAVAN, SHASHWATH BINDINGANAVELI 2,990,849
RAGHAVENDRA, E. VEERA 2,991,913
RAGHURAMAN, ARJUN 2,990,871
RAKER, JOSHUA DOUGLAS 2,991,143
RAKER, JOSHUA DOUGLAS 2,991,145
RAMASESHADRI, PARTHASARATHY 2,992,295
RANDA, FLORIAN 2,991,333
RANDALL, JARED LYNN 2,991,726
RANFT, MEIK 2,990,904
RANIERE, KEITH A. 2,992,103
RAPECKI, STEPHEN EDWARD 2,991,179
RASMUSSEN, HOLLY 2,991,707
RASSER, HANS-FALK 2,991,298
RASTELLI, LUCA 2,991,628
RAT, DOROTHEA 2,991,298
RATHBONE, MICHAEL 2,991,017
RAU, DORIS 2,991,278
RAUM, TOBIAS 2,991,278
RAVITZ, RAYMOND 2,991,245
RAY, WILLIAM J. 2,989,811
RAYBIN, SAMUEL 2,992,035
RAYCO, MARIA BRENDA R. 2,992,260
RAYTHEON CANADA LIMITED 2,991,977
RAZAI, AMIR S. 2,991,634
REDLINE DETECTION, LLC 2,991,647
REECE, HAYLEY ANN 2,991,726
REEVES, PATRICK 2,983,758
REGENERON PHARMACEUTICALS, INC. 2,984,249
REGUNATHAN, MURALI 2,991,890
REHM, STEFAN 2,981,477
REISIG, KARL A. 2,951,257
RELIANCE HOLDING USA, INC. 2,992,027
REMONDINI, MARCO 2,983,380
RENDINE, STEFANO 2,984,714
RENOLIT GOR S.P.A. 2,957,839
RESEARCH & BUSINESS FOUNDATION SUNGKYUNKWAN UNIVERSITY 2,988,073
RESILUX 2,991,916
REUSCHLE, DAVID A. 2,990,871
REVILAK, STEPHEN A. 2,991,128
REVILAK, STEPHEN A. 2,991,131
REY, ASTRID 2,991,298
RHEINMETALL WAFFE MUNITION GMBH 2,991,362
RHEINMETALL WAFFE MUNITION GMBH 2,991,453
RHEINMETALL WAFFE MUNITION GMBH 2,991,543
RICH, CHRISTOPHER CHAPMAN 2,992,060
RICHARD, KAREN 2,990,975
RICOH COMPANY, LTD. 2,991,882
RIDER, MIKE 2,990,978
RIEBE, MICHAEL 2,991,138
RIEDIGER, NADINE 2,990,991
RIGGLES, RANDALL 2,992,283
RIGGS, JAMES C. 2,991,618
RINCON, MERCEDES 2,991,911
RINDERKNECHT, DEREK 2,991,057
RING, JENNIFER E. 2,991,044
ROAR ATHLETIC PERFORMANCE CORP. 2,991,595
ROBBRECHT, JOHAN 2,991,579
ROBERT BOSCH GMBH 2,981,477
ROBERT BOSCH GMBH 2,981,479
ROBERT, FRANCIS 2,991,649
ROBERTS, JAMES 2,992,027
ROBINSON, TIMOTHY, MARK 2,991,403
ROBLES GONZALEZ, GILBERTO 2,992,111
RODRIGUEZ BALBUENA, ERIC GERARDO 2,992,111
RODRIGUEZ, CESAR 2,991,719
ROER, JOCHEN 2,988,353
ROER, JOCHEN 2,988,467
ROER, JOCHEN 2,988,488
ROGERS, JOSEPH W. 2,992,275
ROHERA, HEMANT KARAMCHAND 2,991,527
ROHRIG, SUSANNE 2,990,901
ROJAHN, MARTIN 2,981,477
ROJAHN, MARTIN 2,981,479
ROLFS, ARNDT 2,991,345
ROLL, MICHAEL THOMAS 2,991,405
ROMAN CEMENT, LLC 2,991,699
ROMERO, RICHARD 2,992,015
RONQUILLO, JENNA MELISSA 2,991,758
ROOS, DAVID A. 2,991,890
ROSE, MARK SCOTT 2,991,295
ROSENBERGER HOCHFREQUENZTECHNIK GMBH & CO. KG 2,983,761
ROSENCRANCE, SCOTT 2,991,153
ROSETTI, LUIGI 2,981,550
ROSINGER, CHRISTOPHER HUGH 2,990,981

ROSINGER, CHRISTOPHER HUGH 2,990,985
ROSSELAND, CAROLA 2,990,140
ROTH, DOUG 2,990,833
ROTH, STANLEY A. 2,991,061
ROTHE, CHRISTINE 2,991,298
ROTHSTEIN, JAY 2,992,116
ROUDEAU, FREDERIC 2,991,379
ROUMEAS, LAURENT 2,983,665
ROUNDEL CIVIL PRODUCTS PTY LTD 2,992,098
ROUNS, THOMAS N. 2,991,618
ROY, SAMIR 2,991,569
ROYMANS, DIRK ANDRE EMMY 2,991,002
ROYTBLAT, IGAL 2,991,711
ROZEMA, DAVID B. 2,991,639
RUCKER, PIA 2,991,255
RUDOLPH, CARSTEN 2,990,881
RUDOLPH, CARSTEN 2,990,883
RUDOLPH, MARKUS 2,991,612
RUDOLPH, MARKUS 2,991,615
RUIZ GARCIA, CRISTINA 2,991,678
RUNDE, DAVID 2,991,117
RUSKO, TORSTEN 2,990,876
RUSZIN, ANDREW 2,990,833
RWE EFFIZIENZ GMBH 2,990,995
RXI PHARMACEUTICALS CORPORATION 2,991,598
SACMI COOPERATIVA MECCANICI IMOLA SOCIETA' COOPERATIVA 2,983,380
SAFETY ENGINEERING LTD. 2,991,352
SAFRAN AIRCRAFT ENGINES 2,987,678
SAFRAN AIRCRAFT ENGINES 2,987,841
SAFRAN AIRCRAFT ENGINES 2,991,431
SAHEL, JOSE-ALAIN 2,984,405
SAINT-AUGUSTIN CANADA ELECTRIC INC. (STACE) 2,992,101
SAINT-GOBAIN GLASS FRANCE 2,988,207
SAINT-GOBAIN GLASS FRANCE 2,991,444
SAITO, MASAHIRO 2,991,565
SAITO, TSUGUYUKI 2,992,253
SAJET, PHILIPPE 2,985,016
SAJI, MICHAEL 2,992,142
SALAH, YASSER 2,989,811
SALAMAT, BAHMAN 2,991,890
SALEM, YANIV 2,991,862
SALEM, YANIV 2,991,868
SALTERS, BART ANDRE 2,990,982
SAMI, REZA 2,991,808
SAMSUNG ELECTRONICS CO., LTD. 2,988,073
SAMUEL BEBAWY, MICHAEL 2,991,885
SAMUELSSON, INGEMAR BENGT 2,992,109
SANDBERG, MICHAEL A. 2,991,750
SANDELL, HAKAN 2,988,444
SANFORD-BURNHAM MEDICAL RESEARCH INSTITUTE 2,990,885
SANGI, SALEEM 2,982,770
SANKHOLKAR, SACHIN A. 2,991,288
SANOFI 2,991,298
SANSUR, MICHAEL 2,991,287
SANTENS, FRANCIS 2,991,368
SAPRA, APARNA KATOCH 2,991,628
SARTORIUS, FLORIAN 2,987,157
SARTORIUS, FLORIAN 2,989,267
SATO, ITSUYA 2,992,092
SATO, MASAAKI 2,987,891
SATTERFIELD, ANDREW DUNCAN 2,983,759
SAUDI ARABIAN OIL COMPANY 2,987,408
SAUDI ARABIAN OIL COMPANY 2,990,878
SAVAGE, PAUL B. 2,991,726
SAVIDGE, BETH 2,992,129
SAWAMOTO, DAISUKE 2,992,023
SCAIFE, MARK 2,991,707
SCHAEFER, JUERGEN 2,991,298
SCHAEFER, TIMOTHY A. 2,991,720
SCHAEFERS, ERICH 2,991,269
SCHAPMAN, FANNY 2,990,340
SCHARER, CHRISTIAN 2,991,241
SCHARRER, SEBASTIAN 2,987,702
SCHEIBEL, JEFFREY JOHN 2,991,414
SCHELLENBERGER, VOLKER 2,992,306
SCHIEBAHN, MATTHIAS 2,987,203
SCHIMON, STEFAN 2,991,660
SCHMIDT, WERNER 2,991,347
SCHMITT, CHRISTINE 2,991,281
SCHMITZ, PETRA 2,991,612
SCHMITZ, PETRA 2,991,615
SCHMOLKE, SUSANNE 2,990,894
SCHMOLKE, SUSANNE 2,990,908
SCHMOLKE, SUSANNE 2,991,085
SCHMOLKE, SUSANNE 2,991,673
SCHNEIDER, HUBERT 2,991,362
SCHNEIDER, HUBERT 2,991,453
SCHNEIDER, HUBERT 2,991,543
SCHREIBER, KEVIN JOSEPH 2,991,112
SCHRIMPF, THOMAS 2,981,477
SCHRIMPF, THOMAS 2,981,479
SCHUBERT, BETH ANN 2,991,414
SCHUELKE, AARON MARK 2,991,642
SCHULTZ, NATHAN E. 2,991,197
SCHULTZ, NATHAN E. 2,991,412
SCHULTZ, NATHAN E. 2,991,418
SCHUMANN, MICHAEL 2,991,347
SCHUNK, STEPHAN 2,991,075
SCHUSTER, JAN 2,992,056
SCREPANTI, CLAUDIO 2,984,714
SCRIMGEOUR, IAN 2,989,953
SCRIMGEOUR, IAN 2,989,954
SCRIMGEOUR, IAN 2,990,066
SCUTT, JAMES NICHOLAS 2,983,759
SEB S.A. 2,991,292
SEBASTIAN, JOHN M. 2,991,197
SEDY, JOHN 2,990,885
SEEGER, DIRK 2,990,976
SEGUIN, KATHERINE 2,991,295
SEGURA RUIZ, ROMUALDO 2,992,111
SEGURA, DOROTEA RAVENTOS 2,991,114
SEKIYA, YUMIKO 2,991,697
SEKIYA, YUMIKO 2,992,024
SENSANNA INCORPORATED 2,991,706
SENSANNA INCORPORATED 2,991,709
SERCOMBE, DAVID 2,992,104
SERVICENOW, INC. 2,991,150
SETTERBERG, JOHN RICHARD, JR. 2,992,093
SHAFER, KATHLEEN S. 2,991,039
SHAN, LUCHEN 2,991,338
SHARMA, ANANT N. 2,984,185
SHARMA, MEGHA 2,991,719
SHAUCK, STEVEN B. 2,991,134
SHCHUTSKIY, SERGEY YUREVICH 2,991,118
SHEPPARD, JAMES WILLIAM 2,989,944
SHERMER, CHARLES D. 2,991,555
SHERMER, CHARLES D. 2,991,557
SHERWOOD, JILL KAREN 2,991,138
SHIBATA, NAOYA 2,991,877
SHIELS, BRIAN P. 2,991,137
SHIMATA, KAZUMASA 2,991,692
SHINANO, HIROKATSU 2,992,023
SHIZUKA, MANAMI 2,991,305
SHIZUKA, MANAMI 2,991,326
SHIZUOKA INSTITUTE OF SCIENCE AND TECHNOLOGY 2,991,696
SHIZUOKA INSTITUTE OF SCIENCE AND TECHNOLOGY 2,991,858
SHOHAM, ANAT 2,991,862
SHOHAM, ANAT 2,991,868
SHU, XINHUA 2,991,750
SIBILSKA, IZABELA K. 2,991,260
SICINSKI, RAFAL R. 2,991,260
SICPA HOLDING SA 2,983,883
SIEMENS AKTIENGESELLSCHAFT 2,982,666
SIENGCHUM, TRITTI 2,992,291
SIGNALCHEM LIFESCIENCES CORPORATION 2,991,168
SILVA, RICHARD A. 2,991,305
SILVA, RICHARD A. 2,991,326
SILVANT, SEBASTIEN 2,988,203
SIM, BEE-CHENG 2,992,306
SIMMONS, SARAH E. 2,991,149
SIMON, PIERRE-MICHEL G. 2,991,287
SIMS, ROBERT W. 2,991,704
SINGH, JASKARAN 2,986,477
SINGH, JASWINDER PAL 2,992,138
SIO2 MEDICAL PRODUCTS, INC. 2,992,275
SIRRENBERG, STEFAN 2,991,454
SISTARE, REBECCA ELIZABETH 2,991,027
SITZMANN, STEFAN 2,991,347
SJOBERG, PETER 2,990,879
SKUBIC, CHRISTOPHER JOHN 2,991,528
SKULLE IMPLANTS OY 2,990,892
SLONE, MICHAEL 2,991,719
SMAILES, MICHAEL EDWARD 2,985,165
SMIGELSKI, ZACHARY R. 2,991,899
SMITH, ADRIAN 2,991,258

SMITH, KYLE 2,992,129
SMITH, PAUL 2,992,035
SMITH, SARAH ANN 2,992,038
SMYTH, IAN 2,984,949
SNAPTRACK, INC. 2,981,550
SNAPTRACK, INC. 2,983,774
SOBOCINSKI, PAUL 2,991,226
SOCIETE TECHNIQUE POUR L'ENERGIE ATOMIQUE 2,990,987
SOCIETE TECHNIQUE POUR L'ENERGIE ATOMIQUE 2,991,081
SOLIE, LELAND P. 2,991,709
SOLITE INNOVATIONS LLC 2,991,698
SOLOMON, SASI 2,991,689
SONACA S.A. 2,991,158
SONNENTAG, BRADLEY 2,992,140
SOOKRAJ, SADESH 2,991,204
SORGE, GREGORY WALTER 2,991,405
SORICE, CORY JON 2,991,042
SOUNDARARAJAN, GOPIKRISHNAN 2,991,300
SOURCE ROCK ENERGY PARTNERS INC. 2,992,318
SPECTRUM BRANDS, INC. 2,985,176
SPENCER, NICHOLAS 2,991,148
SPETZLER, DAVID 2,991,045
SPIEGEL, PETER 2,991,380
SPORER, THOMAS 2,990,888
SPOTNITZ, WILLIAM 2,981,909
SRI GOPALA KRISHNA MURTHI, SANKARA SUBRAMANIAN 2,988,454
SRIVASTAVA, YASMIN N. 2,990,871
STAEHLER, CORD FRIEDRICH 2,990,894
STAEHLER, CORD FRIEDRICH 2,991,085
STAHLER, CORD FRIEDRICH 2,990,908
STAHLER, CORD FRIEDRICH 2,991,673
STALLING, DETLEV 2,991,378
STAMP, MICHAEL JEFFREY 2,991,133
STAMPFUSS, JAN 2,990,901
STANDLEY, STEVE 2,991,041
STATOIL PETROLEUM AS 2,991,151
STAUNTON, WILLIAM PATRICK 2,992,018
STEED, DANIEL J. 2,991,120
STEFANCHIK, DAVID 2,991,441
STEPHENS-WELLS, JENNA 2,991,226
STEWART, LONNIE RAY, JR. 2,991,410
STEWART, LONNIE RAY, JR. 2,991,439
STIBICH, MARK A. 2,991,149
STOCKLEIN, WALDEMAR 2,990,056
STONE, CHRISTOPHER 2,991,918
STORME, THOMAS 2,990,181
STRAUB, DARREN 2,991,907
STREDA, PETR 2,992,293
STRIFE, ROBERT JOHN 2,991,414
STRONG, CHRISTOPHER LEE 2,991,046
STRONG, JOHN C. 2,991,315
STRYJEWSKI, TOMASZ P. 2,991,921
STUBER, LUKE 2,991,720
STUEDEMANN, THOMAS 2,991,298
STUMP, HEIKE 2,991,298
STURSA, RADEK 2,992,293
SUDDEUTSCHE ALUMINIUM MANUFAKTUR GMBH 2,991,454
SULLIVAN, PATRICK 2,992,280
SUMITOMO SEIKA CHEMICALS CO., LTD. 2,991,695
SUMITOMO SEIKA CHEMICALS CO., LTD. 2,991,696
SUMITOMO SEIKA CHEMICALS CO., LTD. 2,991,858
SUN PHARMA ADVANCED RESEARCH COMPANY LTD. 2,991,691
SUN, YANNAN 2,991,924
SUN, YEWEI 2,991,338
SUN, ZHAOLI 2,992,299
SUNDERMANN, ANDREAS 2,991,061
SUNDREHAGEN, ERLING 2,991,093
SUON, NAROUN 2,992,035
SURIVET, JEAN-PHILIPPE 2,991,281
SUTEHALL, RALPH 2,986,474
SUTTERLUTY, ANDREAS 2,991,370
SUTTERLUTY, ANDREAS 2,991,371
SUZHOU M-CONJ BIOTECH CO., LTD 2,991,384
SUZHOU M-CONJ BIOTECH CO., LTD 2,991,973
SUZHOU SKY INDUSTRIAL CO., LTD. 2,991,932
SUZUKI, AKIRA 2,992,080
SUZUKI, TAKASHI 2,991,646
SUZUKI, YASUHIRO 2,991,874
SWANSON, TODD 2,991,720
SWANSON, TODD 2,992,124
SWAYZE, ERIC E. 2,991,894
SWEEZEY, ANDREW S. 2,990,978
SWETT, DWIGHT W. 2,987,409
SWIDERSKI, PIOTR MAREK 2,991,052
SWISS COFFEE INNOVATION AG 2,991,374
SYNGENTA PARTICIPATIONS AG 2,984,714
SYNGENTA PARTICIPATIONS AG 2,991,295
TACHIKAWA CORPORATION 2,990,993
TAFTEH, REZA 2,991,920
TAHI TECHNOLOGIES INC. 2,991,584
TAJIRI, GORDON 2,991,410
TAJIRI, GORDON 2,991,439
TAKAHASHI, DAISUKE 2,990,993
TAKAHASHI, EIJI 2,991,234
TAKASHITA, TAKUYA 2,992,092
TAMARINDO, STEFANO 2,990,919
TAMKIN, JOHN MICHAEL 2,992,060
TAMSIR, ALVIN 2,991,776
TANAKA, YASUHARU 2,991,565
TANEICHI, SATOSHI 2,991,882
TANG, WEIYONG 2,972,831
TANG, ZIJIAN 2,991,777
TANNO, FUMIO 2,992,232
TANSKY, CHERYL SUE 2,983,629
TAPANKOV, MARTIN NIKOLAEV 2,991,352
TAVALLALI, PEYMAN 2,991,057
TECHDENT LIMITED 2,990,323
TELEFLEX MEDICAL INCORPORATED 2,992,293
TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) 2,991,885
TELES, JOAQUIM HENRIQUE 2,991,075
TELLIEZ, JEAN-BAPTISTE 2,984,183
TEMME, KARSTEN 2,991,776
TEMME, NORA 2,991,364
TENOVA ADVANCED TECHNOLOGIES LTD. 2,990,560
TERNITE, RUDIGER 2,991,165
TERRE ARMEE INTERNATIONALE 2,991,429
TERSTEEGEN, ADRIAN 2,990,901
TERTERYAN-SEISER, VIOLETA 2,990,991
TETEAK, DAN R. 2,985,176
TETRA LAVAL HOLDINGS & FINANCE S.A. 2,991,257
THAYER, DESIREE 2,992,306
THE BABCOCK & WILCOX COMPANY 2,992,291
THE BOEING COMPANY 2,990,047
THE CHAMBERLAIN GROUP, INC. 2,991,042
THE CHARLES STARK DRAPER LABORATORY, INC. 2,991,899
THE GENERAL HOSPITAL CORPORATION 2,983,758
THE JACKSON LABORATORY 2,991,777
THE MEDICAL COLLEGE OF WISCONSIN, INC. 2,991,161
THE MEDICAL RESEARCH COUNCIL 2,991,750
THE PROCTER & GAMBLE COMPANY 2,983,629
THE PROCTER & GAMBLE COMPANY 2,991,302
THE PROCTER & GAMBLE COMPANY 2,991,306
THE PROCTER & GAMBLE COMPANY 2,991,414
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 2,990,963
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 2,991,047
THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY 2,992,052
THE UNIVERSITY OF BRITISH COLUMBIA 2,991,920
THE UNIVERSITY OF TOKYO 2,992,253
THEMIG, DANIEL JON 2,990,928
THOMAS, STEPHEN 2,991,635
THOMPSON, MATT 2,991,632
THOMSON LICENSING 2,990,988
THOMSON, CAMERON I. 2,991,704
THORARENSEN, ATLI 2,984,183
TIEDEMANN, THORSTEN 2,991,165

TIMMER, JOHN C. 2,991,634
TIPTON, KIMBERLY ANN 2,991,976
TIRYAKI, BULENT 2,991,742
TISSIERES, CHRISTIAN 2,991,163
TOKUNAGA, AKIHIRO 2,992,238
TOMES, DAVID A. 2,991,618
TOMRA SORTING GMBH 2,991,160
TONDERA, SUSANNE 2,991,114
TONG, PING 2,991,315
TONG, RAY HEWENSON 2,992,035
TORAY INDUSTRIES, INC. 2,991,697
TORAY INDUSTRIES, INC. 2,992,024
TORI, SILVANO 2,983,883
TORRES POLO, FRANCISCO JAVIER 2,991,119
TORRES TORRONTERAS, JAVIER 2,991,271
TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION 2,991,877
TOTAL RESEARCH & TECHNOLOGY FELUY 2,990,906
TOTAL THERMAL VISION S.R.L. 2,988,367
TOWNSEND, CALVIN 2,991,133
TOYO KOHAN CO., LTD. 2,991,692
TOYO SEIKAN CO., LTD. 2,991,694
TOYOTA BOSHOKU AMERICA, INC. 2,991,497
TRAVEL CADDY, INC. 2,992,094
TRIMBLE, TODD 2,991,415
TROESCH, FLORIAN 2,987,507
TROJAN TECHNOLOGIES 2,992,309
TRUDEAU-LALONDE, FRANCIS 2,992,303
TRUJILLO, JOHN I. 2,984,183
TSAVALAS, JOHN 2,985,805
TSURUDA, TOMOYUKI 2,991,692
TSUTSUI, HIDEYUKI 2,991,697
TSUTSUI, HIDEYUKI 2,992,024
TUCK, MICHAEL WILLIAM MARSHALL 2,984,378
TUNG, EMILY 2,991,776
TURNER, ROBERT 2,990,125
TUSZKIEWICZ, GEORGE 2,991,758
TYCO FIRE & SECURITY GMBH 2,991,287
TYRBERG, ANDREAS 2,988,444
TYSON, KERRY LOUISE 2,991,179
TYSON, KERRY LOUISE 2,991,264
UCB BIOPHARMA SPRL 2,991,179
UCB BIOPHARMA SPRL 2,991,264
UCB BIOPHARMA SPRL 2,991,363
UCB BIOPHARMA SPRL 2,991,451
UCL BUSINESS PLC 2,991,750
UDAGAWA, SYUJI 2,991,697
UDAGAWA, SYUJI 2,992,024
UEMATSU, TAKATOSHI 2,990,993
UHLE, CHRISTIAN 2,987,702
ULLMER, CHRISTOPH 2,991,612
UNEME, TETSUSHI 2,987,891
UNISON INDUSTRIES, LLC 2,991,410
UNISON INDUSTRIES, LLC 2,991,439
UNITED STATES MINERAL PRODUCTS COMPANY 2,991,902
UNITT, JOHN 2,991,099
UNITT, JOHN FRANCIS 2,984,623
UNIVERSIDAD DE GRANADA 2,991,678
UNIVERSITE D'AIX-MARSEILLE 2,989,250
UNIVERSITE DE NANTES 2,991,077
UNIVERSITE PARIS 6 PIERRE ET MARIE CURIE 2,984,405
UNIVERSITE PIERRE ET MARIE CURIE (PARIS 6) 2,991,358
UNIVERSITEIT GENT 2,991,368
UNIVERSITY OF GUELPH 2,991,925
UNIVERSITY OF IDAHO 2,991,140
UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE 2,991,911
UNIVERSITY OF YORK 2,983,553
UNIWELL LABORATORIES LLC 2,991,719
UNWALLA, RAYOMAND JAL 2,984,183
URSINO, GLORIA 2,984,949
UY, WES 2,991,899
VACONSIN, PASCAL 2,990,181
VAIDYA, MILIND M. 2,990,878
VAL, DALE 2,992,129
VALENDUC, MARJORIE 2,990,996
VALENT U.S.A. LLC 2,991,048
VALENT U.S.A. LLC 2,991,049
VALENT U.S.A. LLC 2,991,050
VALLITTU, PEKKA 2,990,892
VAN ACOLEYEN, BERTRAND 2,990,984
VAN DIJCK, ALEX HENRI 2,983,659
VAN DILLEN, TIEMEN 2,991,252
VAN LATUM, LUCAS 2,992,260
VAN PETEGEM, RONALD 2,990,928
VAN SCHELVEN, GIJSBERT OLIVIER 2,984,064
VANCAS, MARK 2,990,560
VANDERBILT CHEMICALS, LLC 2,992,155
VANTOMME, AURELIEN 2,990,906
VARIA, KUNAL ARVIND 2,991,726
VARO TEOLLISUUSPALVELUT OY 2,991,848
VASCULAR BIOGENICS LTD. 2,991,862
VASCULAR BIOGENICS LTD. 2,991,868
VEILLET, STANISLAS 2,984,405
VELAZQUEZ-VARGAS, LUIS 2,992,291
VERASTEM, INC. 2,991,044
VERCRUYSSE, DRIES 2,991,087
VERGAUWE, NICOLAS 2,991,265
VERGAUWE, NICOLAS 2,991,267
VERLINDE, DIRK 2,991,916
VEROSKY, CHRISTOPHER 2,991,599
VERZIAGI, DAVIDE 2,990,887
VERZIAGI, DAVIDE 2,990,890
VETTER, INGO 2,987,203
VETTER, ROLF 2,991,454
VIB VZW 2,991,368
VIDEOJET TECHNOLOGIES INC. 2,991,133
VIRBAC CORPORATION 2,991,041
VITO NV 2,991,365
VIVIANDE, FRANCOIS 2,987,841
VOELKER, CHRISTINE E. 2,991,416
VOELZ, NICHOLAS R. 2,990,968
VOIC, DAN 2,992,055
VOIC, DAN 2,992,121
VOITH PATENT GMBH 2,984,122
VOITH PATENT GMBH 2,990,979
VOLP, KELLY A. 2,991,197
VOLP, KELLY A. 2,991,412
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